



This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

### Usage guidelines

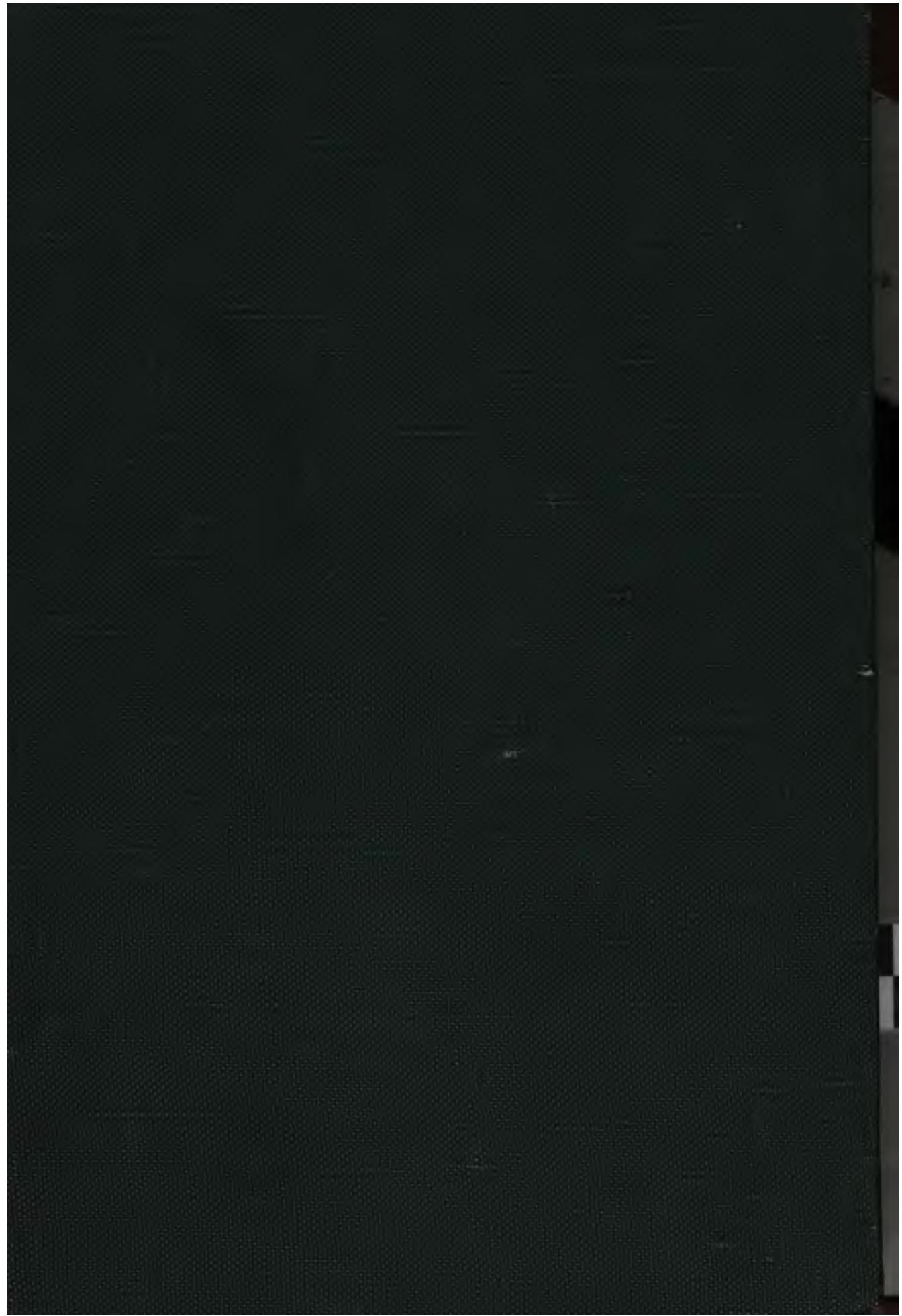
Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

We also ask that you:

- + *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.
- + *Refrain from automated querying* Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.
- + *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.
- + *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

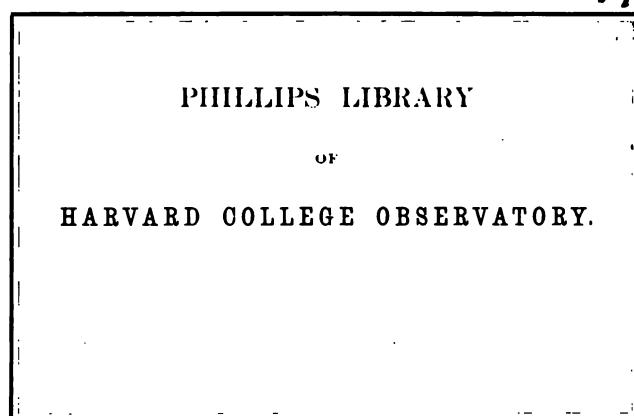
### About Google Book Search

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at <http://books.google.com/>



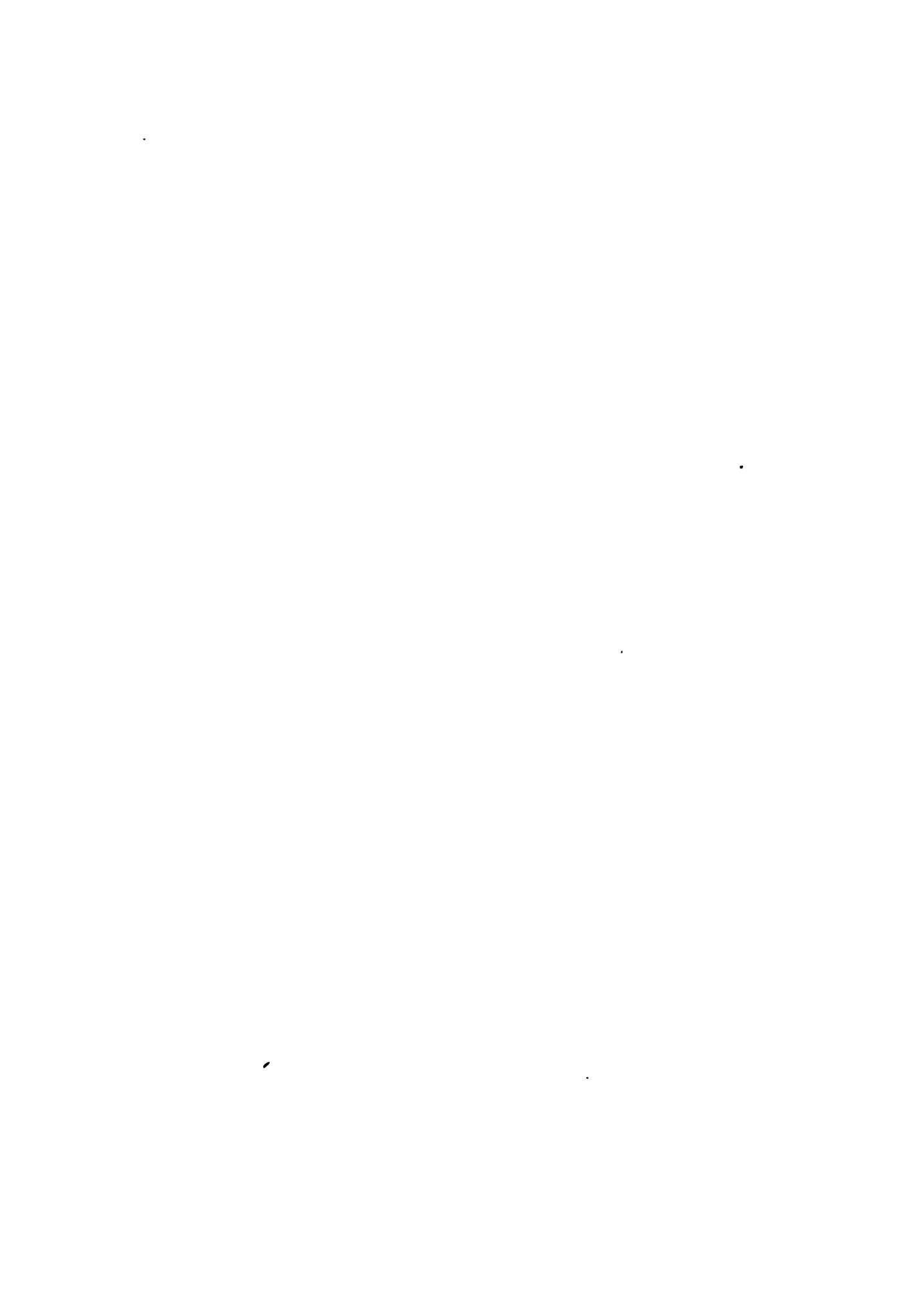
B 8418.2.20

37735



HARVARD COLLEGE  
LIBRARY









THE  
**JOHN CRERAR LIBRARY**  
FIRST ANNUAL REPORT

FOR THE YEAR

1895



CHICAGO  
PRINTED BY ORDER OF THE BOARD OF DIRECTORS  
1897

2418. a. 20



Transferred from

Massachusetts State Library

## OFFICERS

---

*President*

**NORMAN WILLIAMS**

*First Vice-President*

**EDWARD G. MASON**

*Second Vice-President*

**MARSHALL FIELD**

*Secretary*

**GEORGE A. ARMOUR**

*Treasurer*

**WILLIAM J. LOUDERBACK**

---

## BOARD OF DIRECTORS

---

**NORMAN WILLIAMS**

**HUNTINGTON W. JACKSON**

**MARSHALL FIELD**

**E. W. BLATCHFORD**

**T. B. BLACKSTONE**

**ROBERT T. LINCOLN**

**HENRY W. BISHOP**

**EDWARD G. MASON**

**ALBERT KEEP**

**EDSON KEITH**

**SIMON J. MCPHERSON**

**JOHN M. CLARK**

**GEORGE A. ARMOUR**

---

## STANDING COMMITTEES

---

*Finance*

**MARSHALL FIELD**

**T. B. BLACKSTONE**

**ALBERT KEEP**

*Buildings and Grounds*

**JOHN M. CLARK**

**ROBERT T. LINCOLN**

**HENRY W. BISHOP**

*Administration*

**HUNTINGTON W. JACKSON**

**E. W. BLATCHFORD**

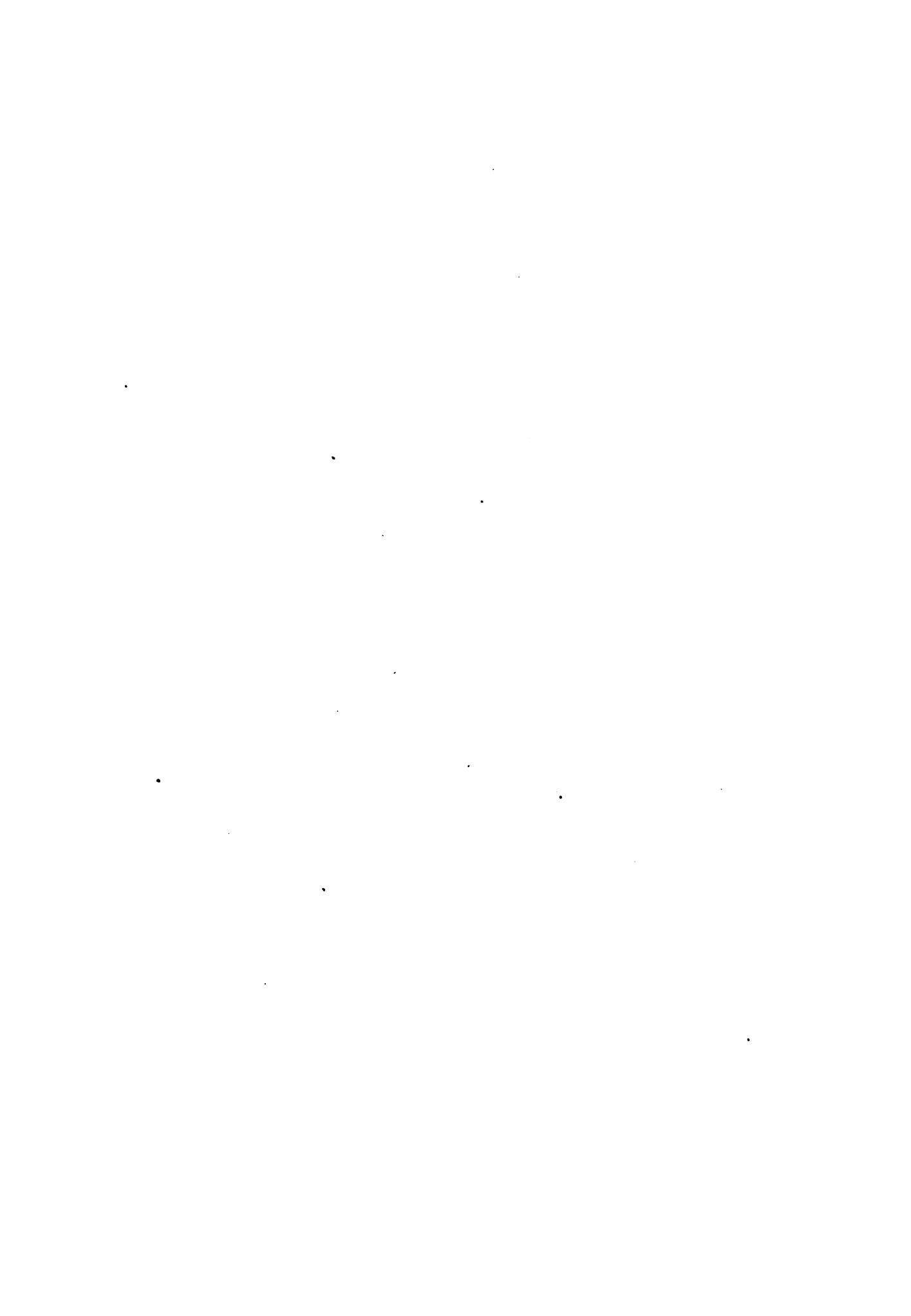
**EDSON KEITH**

*Books*

**EDWARD G. MASON**

**GEORGE A. ARMOUR**

**SIMON J. MCPHERSON**



## REPORT OF THE PRESIDENT.

### TO THE BOARD OF DIRECTORS OF THE JOHN CRERAR LIBRARY.

The result of the joint action and labors of the respective trustees of the estates of Walter L. Newberry and John Crerar was the draft and subsequent enactment of a bill by the legislature of Illinois, entitled "An act to encourage and promote the establishment of free public libraries in cities, villages, and towns in this state. Approved June 17, 1891," under which law this corporation is organized.

The directors specifically named in the will of Mr. Crerar were first assembled at the residence of Mr. Marshall Field on the twenty-third day of November, 1894, at the request of the Trustees of the Estate of John Crerar. A report was made by the Trustees to the Directors, and action was taken thereupon at the meeting, resulting in the first regular meeting of the Board of Directors held January 2, 1895, at which a complete organization was effected.

The work of the first year of the library has been one of organization, and the consideration of different plans involving the character and scope of the library, the creation of by-laws, and the election of officers and committees. It has been determined as the permanent financial policy of the library that its annual expenditures shall not exceed the annual income and the accumulation thereof, and that such policy can be changed only by a vote of two thirds of the members of the Board of Directors.

It has also been determined that the library shall be a free reference library and a library of science, containing books which may be classed under the heads of popular science, practical science, and applied science, and, at the outset, supplied with a collection of reference books essential to all libraries, such as encyclopædias, dictionaries, atlases, charts, bibliographical works, catalogues, histories, and the English classics, and that there be departments of social science, archi-

tecture, civil and mechanical engineering, and astronomy. The policy of the library is to limit the number of departments to such as can be fully supplied and maintained by the resources of the corporation.

The sixth story of the building on the corner of Washington Street and Wabash Avenue has been rented for a period of five years as temporary quarters for the library, and has been arranged and adapted to its uses.

The financial policy adopted by the Board and the determination to create a reference library of science have received general commendation and approval from the press and from the public.

Mr. Clement Walker Andrews was, on the twenty-third day of March, 1895, appointed librarian, to enter upon his duties the 1st of September.

The report of the Librarian upon the condition of the library and its work is herewith submitted as a part of this report.

At the request of this Board, a conference was suggested with the Chicago Public Library, the Newberry Library, and this library, to consider the question of policies to be adopted to prevent, as far as possible, unnecessary duplication in the purchase of books in the libraries named. Committees have now been appointed by the respective libraries, and as soon as practicable an early arrangement will be made for the proposed conference.

The financial condition of the library will be shown fully in the report of the Treasurer, which is submitted as a part of this report.

By the action of the Board, the moneys and securities bequeathed to the library as the residuary legatee of the estate of John Crerar were turned over to the corporation in May last by the Trustees, and accepted, with the exception of such as it was deemed expedient to leave in the hands of the Trustees to be subject to the order and discretion of the Board.

The composition of the Board of Directors during the year has remained as designated by Mr. Crerar in his last will and testament.

All of which is respectfully submitted,

NORMAN WILLIAMS,

CHICAGO, January 11 1896.

President.

## REPORT OF THE TREASURER.

### STATEMENT OF FINANCES FOR YEAR 1895.

#### CASH.

##### RECEIPTS.

Collections account income	-	-	-	\$96,203.95
Profit and Loss	-	-	-	152.05
Premium on investments, refund	-	-	-	273.62
Trustees of Estate of John Crerar, for Endowment Fund	-	-	<u>140,000.00</u>	<u>\$236,629.62</u>

##### DISBURSEMENTS.

Audited vouchers	-	-	-	\$9,021.31
Investments : bonds, mortgages, etc.	-	-	<u>185,931.41</u>	<u>\$194,952.72</u>
Cash on hand December 31, 1895	-	-		<u><u>\$ 41,676.90</u></u>

#### OPERATION.

##### INCOME.

Income	-	-	-	\$96,203.95
Profit and Loss	-	-	-	<u>152.05</u> \$96,356.00

##### EXPENSE.

###### Administration:

Rent, Light, etc.	-	-	\$5,001.75
Salaries, Wages	-	-	2,225.83
Supplies	-	-	707.46
Transportation, Postage	-	-	66.40
Sundries	-	<u>383.80</u>	<u>\$8,385.24</u>

###### Books

493.95

###### Buildings and Grounds:

Repairs	-	-	<u>900.00</u> \$ 9,779.19
---------	---	---	---------------------------

###### Surplus for year 1895

\$86,576.81

## REPORT OF THE TREASURER.

## ASSETS.

Bonds	-	-	-	\$837,375.40
Stocks, etc.	-	-	-	1,008,161.00
Mortgage Loans	-	-	-	51,252.39
Furniture and Fixtures	-	-	-	146.25
Cash	-	-	-	<u>41,676.90</u> <u>\$1,938,611.94</u>

## LIABILITIES.

Endowment Fund	-	-	-	\$1,851,131.00
Surplus Account, 1895	-	-	-	86,576.81
Audited Vouchers	-	-	-	<u>904.13</u> <u>\$1,938,611.94</u>

The Trustees of the Estate of John Crerar on April 1, 1895, delivered to the library securities valued at \$1,711,131.00, on October 31, 1895, \$140,000 cash, and they report that they still hold various securities which will increase materially the endowment of the library.

Respectfully submitted,

Wm. J. LOUDERBACK,  
Treasurer.

CHICAGO, January 11, 1896.

## REPORT OF THE LIBRARIAN.

TO THE BOARD OF DIRECTORS OF THE JOHN CRERAR LIBRARY.

Gentlemen: The report of the Librarian on the work of the library during the past year and on its condition at the present time necessarily will be brief. At the time of my election as librarian, on March 23d, it was understood that the duties of the office would be undertaken on September 1st. With the consent of the Directors, however, some six weeks during the spring and summer were employed usefully in making two visits to Chicago, and a series of visits to the leading Eastern libraries; and a plan for the development of the library was presented to the Directors under date of July 9th. From September 1st, the full time of the librarian has been given to the work, except as prevented by illness. Before leaving Boston, the copying of the order-lists of the Massachusetts Institute of Technology, which had been begun in June, was completed, and many omissions in them filled by a careful comparison with the card catalogue of the institute libraries. Since work in the temporary quarters has been possible, these lists have been again extended, after consultation by the Librarian and Assistant Librarian of the most available authorities. It is hoped that the first list, containing the reference books, can be reported to the Committee on Books at an early date.

The Committee on Administration having decided that the accession-book of the library should not be opened until 1896, as yet no books have been formally entered as the property of the library. There are, however, some two hundred volumes, besides Mr. Crerar's personal library, awaiting entry. Many of these have been received by gift, showing an interest in the library, on the part of citizens of Chicago and of other cities, which promises well for its future.

Considerable time has been given to the consideration of the plans for temporary quarters, and to the supervision of the work

on them. This has been delayed beyond expectation, but it is hoped that another month will see all done that needs to be done before final preparations for opening to the public are begun. The room which is intended to be used as a cloak-room has been fitted up as a temporary office, and from December 7th the office-work of the library has been carried on there.

In consultation with the Committee on Administration, many details of the library service have been determined and reported to the Board for approval, and provision has been made for such positions on the staff as should be filled in the near future. Pending the choice of a chief cataloguer, the selection of his assistants has not been undertaken, except so far as absolutely necessary. At a meeting of the Executive Committee, held July 16th, Mr. Anderson H. Hopkins, then first assistant in the library of the University of Michigan, was appointed assistant librarian, and entered on his duties on October 1st. On December 1st, the staff was increased to the present number by the appointment of Miss Editha C. Phelps as order clerk. This force is as large as can work to advantage in the present restricted quarters, but it should be increased as soon as more room is available.

Respectfully submitted,

CLEMENT W. ANDREWS,

CHICAGO, January 11, 1896.

Librarian.

## RECORD OF ORGANIZATION.

AN ACT TO ENCOURAGE AND PROMOTE THE ESTABLISHMENT OF  
FREE PUBLIC LIBRARIES IN CITIES, VILLAGES, AND TOWNS OF  
THIS STATE.

SECTION 1. *Be it enacted by the People of the State of Illinois, represented in the General Assembly:* That whenever property, real or personal, has heretofore been or shall be devised or bequeathed by last will and testament, or granted, conveyed, or donated by deed or other instrument, to trustees, to be applied by them to the foundation and establishment in any of the cities, villages, and towns of this State of a free public library, it shall be lawful, when not otherwise provided in said will or other instrument of gift, for the acting trustees in any such case, in order to promote the better establishment, maintenance, and management of such library, to cause to be formed a corporation under the provisions of this Act, with the rights, powers, and privileges hereinafter provided for.

SECTION 2. Such acting trustees may make, sign, and acknowledge before any officer authorized to take acknowledgments of deeds in this state, and file in the office of Secretary of State, a statement in writing, in which shall be set forth the intent of such trustees to form a corporation under this Act; a copy of the will or other instrument by which endowment of said library has been provided; the name adopted for the proposed corporation (which shall not be the name of any other corporation already existing); the city, village, or town in which the library and the principal place of business of the corporation will be located; the number of managers who may be denominated trustees, managers, or directors of the corporation, and the names of the trustees, managers, or directors who are to constitute the original board of such officers, and who shall hold until their successors respectively are elected and qualified as in this Act provided.

## RECORD OF ORGANIZATION.

SECTION 3. Upon the filing in his office of such a statement as aforesaid, the Secretary of State shall issue to the incorporators, under his hand and seal of state, a certificate, of which the aforesaid statement shall be a part, declaring that the organization of the corporation is perfected. The incorporators shall thereupon cause such certificate to be recorded in a proper record-book for the purpose in the office of the recorder of deeds of the county in which the said library is to be located; and thereupon the corporation shall be deemed fully organized, and may proceed to carry out its corporate purposes, and may receive by conveyance from the trustees under said will, deed, or other instrument of donation, the property provided by will or otherwise as aforesaid for the endowment of said library, and may hold the same in whatever form it may have been received or conveyed by said trustees until such form shall be changed by the action of the said corporation.

SECTION 4. Organizations formed under this Act shall be bodies corporate and politic, to be known under the names stated in the respective certificates or articles of incorporation, and by such corporate names they shall have and possess the ordinary rights and incidents of corporations, and shall be capable of taking, holding, and disposing of real and personal estate for the purposes of their organization. The provisions of any will, deed, or other instrument by which endowment is given to said library and accepted by said trustees, managers, or directors shall, as to such endowment, be a part of the organic and fundamental law of such corporation. The trustees, managers, or directors of any such corporation shall compose its members, and shall not be less than seven nor more than fifteen in number; shall elect the officers of the corporation from their number, and shall have control and management of its affairs and property; may accept donations, and in their discretion hold the same in the form in which they are given, for all purposes of science, literature, and art germane to the object and purpose of said corporation. They may fill by election, subject to the approval of the chief justice for the time being, of the Supreme Court of Illinois, vacancies occurring in their own number by death, incapacity, retirement, or otherwise, and may make lawful by-laws for the management of the corporation and of the library, which by-laws shall set forth

what officers there shall be of the corporation, and shall define and prescribe their respective duties. They may appoint and employ, from time to time, such agents and employees as they deem necessary for the efficient administration and conduct of the library, and other affairs of the corporation. Whenever any trustee, manager, or director shall be elected to fill any vacancy, a certificate under the seal of the corporation, giving the name of the person elected, shall be recorded in the office of recorder of deeds where the articles of incorporation are recorded. Whenever, by the provisions of such will, deed, or other instrument by which endowment is created, the institution endowed is declared to be and is free and public, the library and other property of such corporation shall be forever exempt from taxation.

The trustees, managers, or directors of such corporation shall, in the month of January in each year, cause to be made a report to the governor of the state, for the year ending on the 31st day of December preceding, of the condition of the library and of the funds and other property of the corporation, showing the assets and investments of such corporation in detail.

Approved June 17, 1891.

#### STATEMENT FOR INCORPORATION.

STATE OF ILLINOIS, }  
COUNTY OF COOK, } ss.

TO THE HON. WILLIAM H. HINRICHSEN,  
Secretary of State.

Norman Williams and Huntington W. Jackson, the acting trustees under the last will and testament of John Crerar, deceased, which was admitted to probate in the Probate Court of Cook County, in the State of Illinois, on the 14th day of November, A.D. 1889, hereby make the following statement, to-wit:

First: That it is the intent of the said Norman Williams and Huntington W. Jackson, trustees as aforesaid under the said last will and testament, to form, under the Act of the Legislature of the State of Illinois, entitled "An Act to encourage and promote the establishment of free public libraries in cities, villages, and towns in this state," approved June 17, A.D. 1891, in force July 1, A.D. 1891, a corporation to receive by conveyance from the said trustees under the said last will and testament the property held in trust, under and by virtue of said last will and testament of the said John Crerar, deceased, and in said last will and testament given, devised, and bequeathed for the erection, creation,

## RECORD OF ORGANIZATION.

and maintenance, and endowment of a **FREE PUBLIC LIBRARY**, to be called "**THE JOHN CRERAR LIBRARY**," to be located in that portion of the City of Chicago, Illinois, known as "The South Division," said corporation being formed to promote the better establishment, maintenance, and management of said library, and to hold, administer, and manage the said property as the endowment of the said **FREE PUBLIC LIBRARY**, in execution of the purpose and intent declared by the said last will and testament, and of the powers conferred by the statute aforesaid.

A copy of the said last will and testament, by which the endowment of said library has been provided, is here set out, and is in the words and figures following:

IN THE NAME OF GOD, AMEN:

I, JOHN CRERAR, of the city of Chicago, State of Illinois, being of sound mind and memory, do hereby make, publish, and declare this my last will and testament in the words and figures following, to-wit,

---

*Item fiftieth.* Recognizing the fact that I have been a resident of Chicago since 1862, and that the greater part of my fortune has been accumulated here, and acknowledging with hearty gratitude the kindness which has always been extended to me by my many friends, and by my business and social acquaintances and associates, I give, devise, and bequeath all the rest, remainder, and residue of my estate, both real and personal, for the erection, creation, maintenance, and endowment of a **FREE PUBLIC LIBRARY**, to be called "**THE JOHN CRERAR LIBRARY**," and to be located in the city of Chicago, Illinois, a preference being given to the South Division of the city, inasmuch as the Newberry Library will be located in the North Division. I direct that my executors and trustees cause an act of incorporation, under the laws of Illinois, to be procured to carry out the purposes of this bequest, and I request that Norman Williams be made the first president thereof, and that, in addition to my executors and trustees, the following named friends of mine will act as the first board of directors in such corporation, and aid and assist my executors and trustees therein, namely: Marshall Field, E. W. Blatchford, T. B. Blackstone, Robert T. Lincoln, Henry W. Bishop, Edward G. Mason, Albert Keep, Edson Keith, Simon J. McPherson, John M. Clark, and George A. Armour, or their survivors. I desire the building to be tasteful, substantial, and fire-proof, and that a sufficient fund be reserved over and above the cost of its construction to provide, maintain, and support a library for all time. I desire the books and periodicals selected

with a view to create and sustain a healthy moral and Christian sentiment in the community, and that all nastiness and immorality be excluded. I do not mean by this that there shall not be anything but hymn-books and sermons, but I mean that dirty French novels and all skeptical trash and works of questionable moral tone shall never be found in this library. I want its atmosphere that of Christian refinement, and its aim and object the building up of character, and I rest content that the friends I have named will carry out my wishes in these particulars.

---

In Witness Whereof, I have hereunto set my hand to this my last will and testament, consisting of eighteen written pages, this 5th day of August, A.D. 1886.

JOHN CRERAR.

Signed, published, and declared by the said John Crerar, as his last will and testament in the presence of us, who, at his request, in his presence, and in the presence of each other, have hereunto subscribed our names as witnesses, this 5th day of August, A.D. 1886.

GEORGE STURGES,

107 Pine St., Chicago.

WM. F. DUMMER,

Evanston, Ills.

ARTHUR D. WHEELER,

Kenosha, Wis.

Second: That the name adopted for the said corporation is THE JOHN CRERAR LIBRARY.

Third: That the library and the principal place of business of the said corporation will be located in the city of Chicago.

Fourth: That the number of managers, who shall be denominated directors, will be thirteen, and the names of the directors who are to constitute the original board of such officers are the following:

Norman Williams, Huntington W. Jackson, Marshall Field, E. W. Blatchford, T. B. Blackstone, Robert T. Lincoln, Henry W. Bishop, Edward G. Mason, Albert Keep, Edson Keith, Simon J. McPherson, John M. Clark, and George A. Armour.

In Witness Whereof, the said Norman Williams and Huntington W. Jackson, as trustees, as aforesaid, have hereunto set their hands this 13th day of July, A.D. 1894.

NORMAN WILLIAMS,

HUNTINGTON W. JACKSON,

Acting trustees of the estate of John Crerar, deceased.

## RECORD OF ORGANIZATION.

STATE OF ILLINOIS, } ss.  
COUNTY OF COOK, } ss.

I, William J. Louderback, a notary public in and for the county and state aforesaid, do hereby certify that on this 6th day of October, A.D. 1894, personally appeared before me Norman Williams, to me personally known to be the same person who executed the foregoing statement as acting trustee as therein stated, and acknowledged that he executed the same as such trustee for the purposes therein set forth.

In Witness Thereof, I have hereunto set my hand and seal the day and year above written.

[SEAL.]

WILLIAM J. LOUDERBACK,  
Notary Public.

STATE OF ILLINOIS, } ss.  
COUNTY OF COOK, } ss.

I, W. A. McLaren, a notary public in and for the county and state aforesaid, do hereby certify that on this 13th day of July, A.D. 1894, personally appeared before me Huntington W. Jackson, to me personally known to be the same person who executed the foregoing statement as acting trustee as therein stated, and acknowledged that he executed the same as such trustee, for the purposes therein set forth.

In Witness Thereof, I have hereunto set my hand and seal the day and year above written.

[SEAL.]

W. A. McLAREN,  
Notary Public.

## CERTIFICATE OF ORGANIZATION.

STATE OF ILLINOIS.

DEPARTMENT OF STATE.

WILLIAM H. HINRICHSEN, SECRETARY OF STATE.

To All to Whom These Presents Shall Come—Greeting:—

WHEREAS, a CERTIFICATE, duly signed and acknowledged, having been filed in the office of the Secretary of State on the 12th day of October, A.D. 1894, for the organization of

THE JOHN CRERAR LIBRARY,

under and in accordance with the provisions of "An act to encourage and promote the establishment of free public libraries in cities, villages, and towns in this state," approved June 17, 1891, and in force July 1, 1891, a copy of which certificate is hereto attached and made a part hereof;

Now, THEREFORE, I, WILLIAM H. HINRICHSEN, Secretary of State of the State of Illinois, by virtue of the powers and duties vested in me by law, do hereby certify that the said

THE JOHN CRERAR LIBRARY

is a legally organized corporation under the laws of this state.

RECORD OF ORGANIZATION.

17

IN TESTIMONY WHEREOF, I hereto set my hand, and cause to be affixed the Great Seal of State.

[SEAL.] Done at the city of Springfield, this 12th day of October, in the year of our Lord one thousand eight hundred and ninety-four, and of the independence of the United States the one hundred and nineteenth.

W. H. HINRICHSEN,  
Secretary of State.

STATE OF ILLINOIS, } ss.  
COOK COUNTY. }

2,117,161

Filed for record October 13, 1894, at 11 o'clock A. M., and recorded in Book 67 of Corp. Records, page 5.

SAM'L B. CHASE,  
Recorder.



THE  
JOHN CRERAR LIBRARY

SECOND ANNUAL REPORT

FOR THE YEAR

1896



CHICAGO  
PRINTED BY ORDER OF THE BOARD OF DIRECTORS  
1897



## OFFICERS

---

*President*

**NORMAN WILLIAMS**

*First Vice-President*

**HUNTINGTON W. JACKSON**

*Second Vice-President*

**MARSHALL FIELD**

*Secretary*

**GEORGE A. ARMOUR**

*Treasurer*

**WILLIAM J. LOUDERBACK**

*Librarian*

**CLEMENT W. ANDREWS**

---

## BOARD OF DIRECTORS

---

<b>NORMAN WILLIAMS</b>	<b>HENRY W. BISHOP</b>
<b>HUNTINGTON W. JACKSON</b>	<b>ALBERT KEEP</b>
<b>MARSHALL FIELD</b>	<b>*EDSON KEITH</b>
<b>E. W. BLATCHFORD</b>	<b>SIMON J. MCPHERSON</b>
<b>T. B. BLACKSTONE</b>	<b>JOHN M. CLARK</b>
<b>ROBERT T. LINCOLN</b>	<b>GEORGE A. ARMOUR</b>
<b>FRANK S. JOHNSON</b>	

## STANDING COMMITTEES

---

*Finance*

<b>MARSHALL FIELD</b>	<b>ALBERT KEEP</b>
<b>T. B. BLACKSTONE</b>	

*Buildings and Grounds*

<b>JOHN M. CLARK</b>	<b>HENRY W. BISHOP</b>
<b>ROBERT T. LINCOLN</b>	

*Administration*

<b>HUNTINGTON W. JACKSON</b>	<b>E. W. BLATCHFORD</b>
<b>*EDSON KEITH</b>	

*Books*

<b>SIMON J. MCPHERSON</b>	<b>GEORGE A. ARMOUR</b>
<b>FRANK S. JOHNSON</b>	

\*Died, September 21, 1896

## LIBRARY STAFF

---

CLEMENT W. ANDREWS	Librarian
ANDERSON H. HOPKINS	Assistant Librarian
AKSEL G. S. JOSEPHSON	Cataloguer
HERVEY WHITE	Reference Librarian

*Senior Assistants*

EDITHA C. PHELPS	LYDIA A. DEXTER
	HELEN F. GILES

*Junior Assistants*

SARAH S. DICKINSON	MARY EMILY MILLS
ELIZABETH M. SHUEY	CHARLOTTE H. FOYE
KATE P. JOHNSON	MARY A. HORNE
	CHARLES WITT

*Pages*

FREDERICK MARTIN	CHARLES GREGORY
	GEORGE EVANS

*Janitor*

THEODORE F. WILLIAMS

## REPORT OF THE PRESIDENT.

### TO THE BOARD OF DIRECTORS OF THE JOHN CRERAR LIBRARY.

The second year of the library marks progress in the execution of the trusts committed to the Directors by the will of Mr. Crerar. The space secured in the sixth floor of the building at the corner of Washington Street and Wabash Avenue has been arranged, and quite completely prepared, under the direction of the Committee on Buildings and Grounds, for the uses and wants of a library of 65,000 volumes, with a seating capacity in the reading-room for about seventy-five persons. The decorations, furniture, and fittings are serviceable and in good taste.

There have been acquired 20,000 publications, under the direction of the Committee on Books; and there are employed in the library, besides the Treasurer and Librarian, seventeen persons, who have received their appointments by the Board upon recommendation of the Committee on Administration.

The library will be in readiness to open its doors to the public by the 1st of April next.

Changes in the Board of Directors have occurred during the past year by the resignation of Mr. Edward G. Mason, which was accepted April 25, 1896, and by the election of Dr. Frank S. Johnson, October 10, 1896, to fill the vacancy occasioned by the resignation of Mr. Mason. On the twenty-first day of September, 1896, a vacancy occurred by the death of Mr. Edson Keith—the first death which has occurred among those named by Mr. Crerar in his will as Directors of the library. This vacancy has not yet been filled.

In response to the invitation of this Board, the Chicago Public Library and the Newberry Library, respectively, appointed committees of conference to meet a similar committee of this Board to consider and adopt such measures as would prevent the unnecessary duplication of the purchase of volumes by the respective libraries, and, if possible, to define the special field which each library should occupy in such purchases. The committees consisted of the following persons:

On the part of the Chicago Public Library—Dr. Hirsch, Mr. Hatch, Mr. Hild.

On the part of the Newberry Library—Mr. Adams, Mr. Head, Mr. Cheney.

On the part of this library—Dr. McPherson, Mr. Armour, Mr. Andrews.

A number of conferences and meetings were held by the joint committees, resulting in a report which was adopted by the libraries, with slight modifications, establishing a policy of co-operation of public libraries in Chicago upon this important feature of library work—a feature which has elsewhere been often considered, but has not been before adopted. The importance of the recognition and adoption of this policy of co-operation amply justifies the time and labor given to the consideration of this question. As the immediate result of this policy 7,000 volumes, consisting of two departments of natural science and useful arts, were purchased from the Newberry Library.

During the past year the sum of \$65,000 has been carried to the credit of the building fund, as directed by the Board; and there remain, as appears by the Treasurer's report, balances to the credit of surplus account 1895 and 1896, the disposition of which should receive your consideration.

The details of the management of the library are fully given in the report of the Librarian, and the condition of finances are also shown by the report of the Treasurer.

The labors which have devolved upon the standing committees during the past year have been unusually arduous, and have been performed with great care and fidelity. The present advanced condition of the library, and the details of work enumerated in the report of the Librarian, attest the amount of time and service which the members of the committees have liberally devoted to the duties imposed upon them.

For the successful results of the year the President expresses grateful acknowledgment of his appreciation of the faithful and effective work of the committees, the Treasurer, and the Librarian and his assistants.

All of which is respectfully submitted,

NORMAN WILLIAMS,

President.

CHICAGO, January 9, 1897.

## REPORT OF THE TREASURER.

### STATEMENT OF FINANCES FOR YEAR 1896.

#### CASH.

Cash on hand December 31, 1895:			
In bank	\$41,626.90		
Librarian, petty cash	50.00	<u>\$41,676.90</u>	

#### RECEIPTS.

Collections account income	\$105,585.52		
Bills collectable	40.00		
Trustees of Estate of John Crerar, for Endowment Fund	35,000.00	<u>\$140,625.52</u>	
		<u>\$182,302.42</u>	

#### DISBURSEMENTS.

Audited vouchers	\$81,910.92		
Investments:			
Bonds	\$57,019.27		
Stocks	6,900.00	<u>\$63,919.27</u>	<u>\$145,830.19</u>

Cash on hand December 31, 1896:			
In bank	\$36,355.36		
Librarian, petty cash	116.87	<u>\$36,472.23</u>	

#### OPERATION.

INCOME		\$106,042.61	
EXPENSE.			

Administration:			
Rent, Light, etc.	\$10,091.38		
Salaries, Wages	13,183.86		
Supplies	1,904.65		
Printing	693.82		
Transportation, Postage	387.01		
Sundries	<u>1,119.26</u>	<u>\$27,379.98</u>	

Books:			
Books	\$33,094.87		
Periodicals	332.38		
Binding	2,067.05		
Lettering, Repairs	<u>163.33</u>	<u>\$35,657.63</u>	

Buildings and Grounds:			
Repairs	7,051.79		
Profit and Loss	9.00	<u>\$70,098.40</u>	

Surplus for year 1896		<u><u>\$35,944.21</u></u>	
-----------------------	--	---------------------------	--

## REPORT OF THE TREASURER.

## ASSETS.

Bonds	\$896,325.38
Stocks	1,015,061.00
Mortgage Loans	49,769.77
Furniture and Fixtures	14,392.06
Bills Collectable	59.92
Cash	<u>36,472.23</u>
Total	<u>\$2,012,080.36</u>

## LIABILITIES.

Endowment Fund	\$1,886,131.00
Building Fund	65,000.00
Surplus account, 1895	21,576.81
Surplus account, 1896	35,944.21
Audited vouchers	<u>3,428.34</u>
Total	<u>\$2,012,080.36</u>

There has been placed insurance covering the property of the library to the extent of \$47,220.00, distributed as follows:

Books	\$28,000.00
Furniture and Fixtures	13,000.00
Portraits	6,000.00
Type and Cases	220.00
Total	\$47,220.00

The Trustees of the Estate of John Crerar have reported that they still hold for the library various securities which will increase materially the amount of the Endowment Fund.

Respectfully submitted,

W. J. LOUDERBACK,  
Treasurer.

CHICAGO, January 9, 1897.

---

We hereby certify that we have examined the books of account and securities of The John Crerar Library, and find that the above statement of assets and liabilities is true and correct.

SMITH, RECKITT, CLARKE & Co.,  
Accountants and Auditors,  
169 Jackson St., Chicago, Ill.

February 1, 1897.

## REPORT OF THE LIBRARIAN.

TO THE BOARD OF DIRECTORS OF THE JOHN CRERAR LIBRARY.

Gentlemen,—The period covered by this, my second annual report, has been one of great importance to the library. The definition of its scope, and of its relations to the other public libraries of the city, and the transfer to it from one of them of practically the whole of two important departments, were matters requiring much time for their proper settlement, and in their importance fully justifying the expenditure. The better definition of the scope of the library, arrived at as a result of the conferences between the libraries, is familiar to the Directors, and has been stated to the public in the circular recently prepared by the Committee on Administration. On the other hand, some of the details of the nearly completed transfer to the John Crerar Library from the Newberry Library of their departments of Natural Science and Useful Arts may be of interest. As was reported to the Directors in October, the Newberry Library had then just completed the list of books which they were willing to transfer. An estimate of their fair market value was made as soon as possible, and an agreement with the financial agent of the Newberry Library for the compromise price of \$16,000 for 8,023 volumes and pamphlets. This agreement was ratified by the book committees of the two libraries. The first transfer of books was made late in November, and another large consignment, received late in December, practically completed it. It is hoped that a final adjustment of the matter can be made this month. Meanwhile it has seemed best not to include them among the receipts of the past year, especially since but few volumes have been entered on our books, and those in such a way as to separate them from the other receipts.

If to these larger matters the smaller, but very important, matters of detail are added, and the supervision of the fittings and furniture are taken into account, it might almost seem as if there had

been enough of such preliminary work alone to occupy fully the time of the greater part of the library force. Yet, when the results of the routine work of the year are examined, it will be seen that they are by no means inconsiderable, even if not all that had been hoped for. It is certainly no fault of the members of the staff that more has not been accomplished, for they have worked earnestly and faithfully; at first under many disadvantages due to the tardy completion of the working-rooms. It is evident to me that the disappointment of my expectation of larger accomplishment is due, in the first place, to the delay caused by the matters already mentioned; secondly, to an almost inevitable necessity for time to properly arrange and balance the work of the library, so as to produce the best results; and finally, to a wrong estimate, on my part, of the possible rate of work, or rather an underestimate of the extra time needed to secure the highest quality of work.

As has been said before, a very considerable amount of time has been given to the consideration of details of the administrative work of the library, such as the establishment of rules for the cataloguing, including, of course, the accession, order, and shelf catalogues as well as the general card catalogue; the preparation of library forms; the organization of the library force; the settlement of many questions arising in regard to the classification of the books on the shelves, etc. How minute the consideration given these questions must be can be fully understood, I think, only by one who has had to do the work.

Without attempting here to give all the results of this work, I would like to put on record a few of the most important. Perhaps the most important of all have been due to the decision of the Committee on Administration to offer to the public a printed card catalogue. This form of catalogue is not only convenient, legible, and easily kept up to date, but the permanence of the printed card compels exceptionally careful work on the part of the cataloguers. It has a very great additional advantage, in that as many copies of a title as are desired can be had for the mere cost of the cards. This enables us to offer to those libraries in the city most interested in our work a complete catalogue of our library; it also enables us to try the interesting experiment of making our catalogue in the triple form of alphabet-

ical author, alphabetical subject, and classed subject,—an arrangement which is unique, so far as I know, and which seems to promise all the advantages obtainable in the card catalogue. If this is supplemented by a series of properly prepared bulletins, it may safely be said that the library has not failed to supply a reasonable means of access to its treasures.

In this connection it may be well to add that the Committee on Administration have authorized the experimental use of a patent electrotype plate, which, if successful, not only will enable us to publish the bulletins referred to above at a minimum expense or a maximum frequency, but may lead to a great advance in co-operative cataloguing.

The classification of the books on the shelves has been made, as was proposed in my preliminary report, in accordance with the decimal classification of Mr. Dewey. In applying the scheme we have made as close a classification as possible, having in view the future rather than the immediate needs of the library. For many reasons, we have not changed the scheme as printed, except in two instances, although, of course, in many of the classes we shall have almost no books; in drawing up the blanks for the presentation of statistics the Committee on Books have omitted or grouped together these classes so as to present the statistics in a manner calculated to give a symmetrical view of the library. In the subordinate arrangement of the books under each subject a chronological arrangement has been preferred for the larger part of the library, although this has given way to the more customary alphabetical arrangement by authors, or even to a simple accession number whenever these other methods seemed more desirable. While the arrangement adopted may lead in exceptional cases to as long a shelf-mark as 123.456789 A123, yet even this number is as quickly written as the author's name and the shortest possible title, which are required by many libraries; and it is probable that it will be much more legibly written. By the use of these marks, too, it is possible to discriminate most easily between different editions of the same work, a matter of great importance in a scientific library. Moreover, it is hoped that the plan of having a comparatively large reference library immediately accessible to all readers, and the whole library so accessible to persons engaged in special research,

will reduce to a minimum the delivery-desk work, and therefore the use of these shelf-marks by the public.

The question of binding has also received much consideration. Here, as in many other matters, Mr. Hopkins's experience has been of great value to the library. I believe, thanks largely to his knowledge of binding and to his constant watchfulness, that the books are being placed on our shelves in the best condition and the most durable form, and at a remarkably small cost, considering the quality of the work. Consideration has been paid, of course, to the probable amount of use which each work is likely to have, but, as a rule, the books of real value have been bound in half genuine morocco with gilt tops, the latter being added solely for economic reasons, on account of the amount of dust and dirt unavoidable in a library situated in the heart of the business district of a city burning soft coal. For the less valuable books a Holliston cloth binding has been adopted, and for the pamphlets an inexpensive binding of the same. It is hoped that this will allow us to escape that nightmare of librarians, a mass of pamphlets uncatalogued, unclassified, and unbound, some of which are known to be and others suspected to be of value, yet utterly useless in that condition. It should be added that the arrangement made with our binder for lettering and numbering the books has proved entirely satisfactory. The appearance of the book is not marred by an ugly paper label, all danger of losing the shelf-mark through careless handling or bad pasting is avoided, the shelf-mark is rather more legible, and the cost is reasonable.

In the selection of the books for purchase free use has been made of the copies of the order-slips of the Massachusetts Institute of Technology, but these have been largely supplemented by the use of available bibliographies and the advice of those especially qualified to advise, and in the Newberry purchase we have the advantage of the judgment of Dr. Poole and his advisers. In preparing our first lists an attempt was made to cover each subject nearly exhaustively, and much of the department of Applied Sciences was done over in this manner, but as soon as it was found that the rate at which the books could be prepared for the public by the cataloguers would not permit more than a small fraction of these books to be made available this spring, it was decided

to order the best works only on each subject, and the remainder of the Applied Sciences and a good part of the Social Sciences have been covered in this way, to be supplemented by an exhaustive treatment later.

The methods of purchase adopted by the Committee on Books have approved themselves by their results. For the greater part of scientific literature, the necessity of having the latest editions rather than the finest precludes any extensive use of second-hand dealers or of book auctions, but wherever possible these methods, and especially the latter, have been employed. It is true that the method of purchasing our long sets through the Boston Book Company is not apparently an economical one, inasmuch as we pay them, by agreement, ten per cent advance over regular market rates, in return for a guaranteed collation of the sets. That this is a wise expenditure I am firmly convinced, especially as I am not at all sure that it is any more than what it would cost us to do the work equally well ourselves. I think that no one will doubt the wisdom of securing this guaranty who has had any experience of the condition of the sets offered as complete by second-hand dealers, and the difficulty of securing the missing portions of them. That the guaranty is no empty form is shown by the slowness with which our orders are filled, and by the report of the company that very few sets were found, on collation, to be perfect, and that they now have on hand, waiting for the filling of minor defects, some \$4,000 worth of our orders.

Since the appointment of the Reference Librarian, the greater part of his time has been spent in the preparation of the list of books to be placed in the reading-room, and these are ordered as fast as selected. The list covers about 1,000 titles, perhaps one third of the capacity of the room. Plans for the suitable marking of these books have been adopted, and their transfer from the regular shelves can be made at short notice.

I will close with a brief statement of the amount of routine work accomplished in each department.

The work in the order department has been the only one occupying a full year. In this work the figures quoted really cover a little more than a year, the first regular order having been given December, 1895, but as those for 1895 were not given in my first report they are included in this, for the sake of completeness.

To date, 6,199 orders have been given; of which 904 were auction orders which failed, or were orders lost or canceled for various reasons, leaving 5,295 valid orders, covering 22,858 volumes or pamphlets, at an estimated cost of \$54,421.38. Of these, 2,658 have been filled, covering 7,878 volumes, at a cost of \$21,094.87, and there are outstanding 2,637 orders, covering 13,130 volumes, at an estimated cost of \$33,333.72. Of these, 2,089 are for 8,023 volumes or pamphlets at the agreed price of \$16,000, from the Newberry Library, on account of which a partial payment of \$12,000 has been made, making the total sum spent for books \$35,034.87. The classification of these orders and of their estimated cost is shown in columns A, B and C of the statistical appendix.

The accession books of the library were opened February 13th. Since that date there have been accessioned from purchase 7,707, of gifts 3,383, a total of 11,090. Of these, 26 have been withdrawn from the shelves for various reasons, leaving 11,064 net accessions, of which 10,801 are bound volumes, 129 unbound pamphlets, and 134 individual maps. Their classification is shown in column D. Two thousand two hundred and ninety-six volumes have been bound or repaired, at a total cost of \$1,805.05, and 8,359 volumes have been lettered and prepared for the shelves at a cost of \$427.33.

At the close of the year the library was in receipt of 171 periodicals, of which 64 were received by gift and 107 (besides an indefinite number of British government publications) by subscription, at a cost of \$332.38. A list of periodicals has been prepared and submitted to the Committee on Books, containing 1,317 titles, at an estimated annual cost of \$5,011.77. The more important of these are now being ordered; others will be ordered later, as recommendations are received from specialists.

The work of cataloguing began in April, but has been greatly delayed for several causes. To date there have been prepared 3,747 titles, covering 6,827 volumes. Nearly all of these have been sent to the printer, who has returned proof for 1,937 titles, and has printed cards for 1,459.

The 6,827 volumes catalogued have been shelf-marked and placed on the shelves. Their distribution is shown in column E. Besides these, 1,532 volumes of government documents have

been accessioned, shelf-marked, and placed on the shelves, being accessible to the public through the printed index, so that 8,359 volumes are now available.

To the present members of the staff, and also to Miss Angell, the thanks of the Librarian are due for the faithfulness and energy with which they have worked, in spite of the many discouragements occasioned by the difficulty of properly organizing the work, and the pressure all have been under from the great amount of work to be done.

Respectfully submitted,

CLEMENT W. ANDREWS,

Librarian.

CHICAGO, January 2, 1897.

A. Distribution of orders given to December 31, 1896.  
 B. Estimated cost of same.

## LIBRARY STATISTICS.

C. Accessions to December 31, 1897.  
 D. Books placed on shelves.

	A VOLUMES	B Cost	C VOLUMES		D VOLUMES
			C	D	
<b>I.—GENERAL WORKS:</b>					
0 Unclassified	285	\$493 46	313	92	
1 Bibliography	685	2,049 67	521	629	
2 Library Economy	181	416 92	169	124	
3 Cyclopedias	380	849 48	290	319	
4 Collected Works of Authors	43	109 11	20	24	
5 General Periodicals	1,524	2,486 62	600	664	
6 General Societies	867	4,305 65	321	211	
7 Exhibitions and Museums	182	83 73	26	46	
8 Special Libraries	67	77 48	92	15	
10 Philosophy	105	271 12	52	58	
13, 15 Psychology					
16 Logic					
40 Philology	412	661 23	197	144	
90 History and Geography	620	1,597 14	536	800	
91 Cartography	47	276 80	386	106	
	5,398	\$13,678 11	3,533	3,241	
<b>II.—SOCIAL SCIENCES:</b>					
17 Ethics	19	\$25 95	21	22	
20 Religion	4	5 00	30	24	
30 General Works	354	994 11	195	158	
31 Statistics	211	546 41	130	71	
32 Political Science	74	114 43	120	141	
33 Political Economy	763	1,127 58	486	284	
34 Law	25	23 58	57	50	
35 Administration (including Public Documents)	94	74 25	1,729	1,675	
36 Associations and Institutions	150	182 09	60	34	
37 Education	238	140 01	153	110	
38 Commerce and Communication	123	233 20	158	155	
39 Customs, Folk-lore, etc.	34	94 39	43	37	

REPORT OF THE LIBRARIAN.

17

<b>III.—PHYSICAL SCIENCES:</b>					
50 General Works .....	1,275	\$3,650	49	796	117
51 Mathematics .....	517	1,625	49	13	8
52 Astronomy .....	1,026	1,993	70	114	99
53 Physics .....	793	1,740	77	131	98
54 Chemistry and Mineralogy .....	1,121	3,049	32	466	123
 <b>IV.—NATURAL SCIENCES:</b>	 4,732	 \$12,059	 77	 1,530	 445
55 Geology .....	1,091	\$2,024	17	417	344
56 Palæontology .....	48	262	02	12	17
57 Biology and Natural Sciences in General .....	1,619	5,447	90	677	329
58 Botany .....	484	1,914	76	121	66
59 Zoology .....	1,076	4,783	88	316	258
 <b>V.—APPLIED SCIENCES:</b>	 4,318	 \$14,430	 03	 1,543	 1,064
60, 70 General Works .....	1,994	\$3,204	84	152	145
61 Hygiene .....	132	329	18	74	53
62 Engineering .....	1,753	4,104	98	379	237
63 Agriculture .....	866	724	48	44	49
64 Domestic Economy .....	52	43	16	17	10
65 Trade and Transportation .....	272	560	26	160	136
66 Chemical Technology .....	569	1,390	26	119	58
67, 68 Manufactures and Trades .....	374	718	28	131	57
69 Building .....	260	549	64	140	40
71 Landscape Gardening .....	22	20	25	6	4
72 Architecture .....	6	13	30	6	10
73, 74 Drawing, Design, etc. .....	..	..	..	30	41
77 Photography .....	21	33	75	11	8
 <b>Total</b> .....	 6,321	 \$11,692	 38	 1,269	 848
	 22,858	 \$55,421	 59	 11,064	 8,359

## LIST OF DONORS.

	Volumes or Pamphlets.
Adams, <i>Hon.</i> George E. ....	184
American Philosophical Society ....	1
American Type Founders' Co. ....	2
Amherst College ....	1
Amory, <i>Mrs.</i> R. G. ....	1
Andrews, Clement W. ....	6
Arniour, George A. ....	4
Avery, S. P., & Columbia College, <i>New York</i> ....	1
Baldwin, Charles F. ....	21
Bank of New York ....	1
Beatty, J. G. ....	1
Beer, William, <i>New Orleans, La.</i> ....	1
Bishop, Henry W. ....	1
Bolton, C. E., <i>Cleveland, O.</i> ....	1
Boston Public Library ....	7
Chicago Board of Trade ....	20
Chicago Civil Service Commissioners ....	2
Chicago Literary Club ....	1
Chicago Public Library ....	1
Cobden Club, <i>London, Eng.</i> ....	38
Cole, Geo. W. ....	1
Columbia College ....	1
Cook, Susan Galé ....	6
Crerar, John, Estate of ....	365
Cudmore, P., <i>New York</i> ....	1
Cutler, Mary S., <i>Albany, N. Y.</i> ....	1
Detroit Public Library ....	4
Dexter, Lydia A. ....	12
Egleston, Thomas, <i>New York</i> ....	1
Garrett Biblical Institute ....	101
Glessner, <i>Mrs.</i> Frances M. ....	1
Gookin, Frederick W. ....	3
Harlan, A. W. ....	2
Harvard University ....	4
Hiersemann, Karl W., <i>Leipzig, Germany</i> ....	1
Hoepli, Ulrico, <i>Milan, Italy</i> ....	1
Hollands, W. C., <i>Ann Arbor, Mich.</i> ....	1
Holmes, Bayard ....	1
Illinois, Secretary of State ....	52
Illinois Society Sons of Revolution ....	1
Jackson, Huntington W. ....	1

## LIST OF DONORS.

19

	Volumes or Pamphlets.
James, Edmund J. ....	5
Jersey City Free Public Library....	1
Johns Hopkins University....	1
Josephson, A. G. S. ....	30
Kochler, K. F., <i>Leipzig, Germany</i> ....	1
Lane, Wm. C., <i>Boston, Mass.</i> ....	3
Leland Stanford Junior University....	1
Lemcke and Buechner, <i>New York</i> ....	13
Lenox Library ....	3
Libbie & Co., <i>Boston, Mass.</i> ....	1
Library Bureau....	3
Lincoln, Hon. Robert T. ....	175
Longmans & Co., <i>New York</i> ....	1
McCormick, Cyrus H. ....	1
McDonough, Joseph, <i>Albany, N. Y.</i> ....	1
Massachusetts Board of Health....	1
Massachusetts Institute of Technology....	13
Milwaukee Public Library....	1
Missouri Botanical Gardens....	1
Newberry Library....	1
Old People's Home of Chicago ....	1
Peabody Institute....	1
Philosophical Society of Washington....	1
Poole, William Frederick ....	1
Princeton University....	2
Quaritch, Bernard, <i>London, Eng.</i> ....	1
St. Louis Mercantile Library Association....	1
Smithsonian Institution....	121
South End Industrial School, <i>Roxbury, Mass.</i> ....	1
Stokes, A. P. ....	1
Taylor, Hon. Abner ....	3
United States Government....	4281
University of California....	5
University of Michigan....	1
Wake, C. Staniland ....	2
White, A. T., <i>Brooklyn, N. Y.</i> ....	1
Williams, Norman ....	1
Williams, Theo. F. ....	1
Winter, Noel....	1
World's Columbian Exposition. German Educational Exhibit Commissioners ....	1
Yale University ....	1



---

At the regular meeting of the Board of Trustees of The John Crerar Library, held on October tenth, 1896, the following memorial, presented by E. W. Blatchford, was unanimously adopted:

### EDSON KEITH.

"On August fifth, eighteen hundred and eighty-six, John Crerar made his last will, in which he constituted thirteen of his friends the Board of Trust of the Library, to which he donated the larger portion of his estate, and which now bears his honored name.

Ten years have passed away, and not till now has this circle been broken by death.

On the twenty-first day of last month, September, eighteen hundred and ninety-six, there was removed from us Edson Keith.

At this first meeting of the Board of Trust, held since the sad event, would we unite in appropriate action thereon.

Resolved, first, that in the death of Edson Keith, our business community has lost a member who during a successful career of forty-two years has maintained inviolate through the fluctuations of the times, a standard of integrity which has challenged the respect of all, and which will be a bright example of those who come after him. Chicago has lost a citizen who, in wise advice given in municipal administration, in aid rendered in times of emergency, in influence used in the selection of worthy men for office, has adorned every station of citizenship. Society has lost one who has exemplified and elevated a pure and stable type of social life; and our educational and benevolent institutions have lost one who by intelligent counsel and generous gifts has aided in laying permanent foundations of wide beneficence.

Resolved, second, that the members of this Board of Trust deeply appreciate the character and feel the loss of Mr. Keith.

From the organization of The John Crerar Library, with constant faithfulness, he gave to the general interests of the Library thoughtful and wise counsel, always expressed with that rare courtesy for which in every relation of life he was distinguished. As a member of the Committee on Administration, he at once familiarized himself with the important duties devolving on this Committee, never absenting himself from a meeting, and bringing to the discussion and settlement of the questions before it, valuable views, derived from careful thought and long and varied experience.

Resolved, third, that this action be spread upon the records of this Board, and that a copy thereof be transmitted to the family of Edson Keith."

---

THE  
**JOHN CRERAR LIBRARY**

THIRD ANNUAL REPORT

FOR THE YEAR

1897



CHICAGO  
PRINTED BY ORDER OF THE BOARD OF DIRECTORS  
1898

**The Lakeside Press**  
R. R. DONNELLEY & SONS COMPANY  
CHICAGO

## OFFICERS

---

*President*

**NORMAN WILLIAMS**

*First Vice-President*

**HUNTINGTON W. JACKSON**

*Second Vice-President*

**MARSHALL FIELD**

*Secretary*

**GEORGE A. ARMOUR**

*Treasurer*

**WILLIAM J. LOUDERBACK**

*Librarian*

**CLEMENT W. ANDREWS**

---

## BOARD OF DIRECTORS

---

**NORMAN WILLIAMS**

<b>HUNTINGTON W. JACKSON</b>	<b>ALBERT KEEP</b>
<b>MARSHALL FIELD</b>	<b>SIMON J. MCPHERSON</b>
<b>E. W. BLATCHFORD</b>	<b>JOHN M. CLARK</b>
<b>T. B. BLACKSTONE</b>	<b>GEORGE A. ARMOUR</b>
<b>ROBERT T. LINCOLN</b>	<b>FRANK S. JOHNSON</b>
<b>HENRY W. BISHOP</b>	<b>PETER STENGER GROSSCUP</b>

## STANDING COMMITTEES

---

*Finance*

<b>ALBERT KEEP</b>	<b>MARSHALL FIELD</b>	<b>T. B. BLACKSTONE</b>
--------------------	-----------------------	-------------------------

*Buildings and Grounds*

<b>HENRY W. BISHOP</b>	<b>JOHN M. CLARK</b>	<b>ROBERT T. LINCOLN</b>
------------------------	----------------------	--------------------------

*Administration*

<b>HUNTINGTON W. JACKSON</b>	
<b>E. W. BLATCHFORD</b>	<b>PETER STENGER GROSSCUP</b>

*Books*

<b>SIMON J. MCPHERSON</b>	
<b>GEORGE A. ARMOUR</b>	<b>FRANK S. JOHNSON</b>

## LIBRARY STAFF

---

<i>Librarian</i>	- - - - -	<b>CLEMENT W. ANDREWS</b>
<i>Assistant Librarian</i>	- - - - -	<b>ANDERSON H. HOPKINS</b>
<i>Cataloguer</i>	- - - - -	<b>AKSEL G. S. JOSEPHSON</b>
<i>Reference Librarian</i>	- - - - -	<b>HERVEY WHITE</b>

<i>Senior Assistants</i>	
<b>EDITHA C. PHELPS</b>	<b>SARAH S. DICKINSON</b>
<b>HELEN F. GILES</b>	<b>ELIZABETH M. SHUEY</b>

<i>Junior Assistants</i>	
<b>MARY EMILY MILLS</b>	<b>MARY A. HORNE</b>
<b>CHARLOTTE H. FOYE</b>	<b>MARGARET FURNESS</b>
<b>KATE P. JOHNSON</b>	<b>FLORENCE KELLY</b>
<b>CHARLES WITT</b>	

<i>Attendants</i>	
<b>LESTER C. BAILEY</b>	<b>ERNST O. C. HOEFER</b>
<b>ELMER M. SHERLOCK</b>	

<i>Pages</i>	
<b>FREDERICK MARTIN</b>	<b>GEORGE EVANS</b>
<b>CHARLES GREGORY</b>	<b>ROBERT M. BUCK</b>

<i>Janitor</i>	- - - - -	<b>THEODORE F. WILLIAMS</b>
<i>Assistant Janitor</i>	- - - - -	<b>WILLIAM R. BICKHAM</b>

## REPORT OF THE PRESIDENT.

TO THE BOARD OF DIRECTORS OF THE JOHN CRERAR LIBRARY.

Gentlemen.—The progress made during the third year of the history of the library is shown in its accessions of 18,000 volumes and outstanding orders for over 6,000 additional volumes. There are now 29,000 accessions and 1,300 current periodicals, all of which volumes and periodicals are accessible for use; its rooms are thrown open to the public six days and evenings of each week, and frequented by visitors averaging from eighty to ninety persons a day; and there is a staff of twenty-three attendants exclusive of the Librarian and Treasurer. The visitors are students, scholars, and workers drawn from all professions and fields of mental labor, and during the evenings and on Saturdays quite a number are students from technical and other schools. As the ease and convenience of getting publications and periodicals, and the full scope of the library become known and appreciated, the number of readers may be expected to increase steadily. There is quite a demand for works on Industrial Arts, and it might be well to expand the field of the library somewhat in this direction.

The report of the Librarian, to which your attention is particularly invited, will give in detail the work of the year by the Librarian, Committees, and the staff of employees, and the results specifically attained; which I am sure will be most gratifying. For their faithful and efficient work the President desires to express his grateful acknowledgment.

As appears by the Treasurer's report the final payment has been received from the Trustees of the Estate of John Crerar, deceased, under the fiftieth item of his will, providing for the erection, execution, maintenance, and endowment of the library. The funds of the library are invested in conservative securities, and the income is uniform and steady. The operation accounts for the year show a surplus of about \$34,500 to be carried to the

Building Fund. An account has been opened styled "Security Reserve Fund," being the excess of moneys received on the sale of securities as compared with their value on the books of the library, having for its purpose the future protection of the Endowment and Building Funds; which account has received the approval of the Committee on Finance.

The term of the present lease of the premises occupied by the library expires May 1, 1900. The arrangement of the rooms and their adaptability to the use of the library are most satisfactory, and will be so for some years to come. It is thought, moreover, that the amount of our Building Fund in 1900 will not be sufficient to warrant the construction of a permanent building at that time, and I therefore recommend that the Committee on Buildings and Grounds consider the question whether it would be advisable to enter into negotiations for extending the present lease for a term of years, and to ascertain if such an extension can be procured and for what period of time and upon what terms.

All vacancies in the Board of Directors have now been filled. On June 19, 1897, Peter Stenger Grosscup was elected a Director to fill the vacancy occasioned by the death of Edson Keith, and this election was approved by the Chief Justice of the Supreme Court of Illinois, as required by law. Judge Grosscup has taken his seat and entered upon his duties as a Director.

The receipt of many valuable publications as gifts to the library is shown by the report of the Librarian. They are appreciated by the Board and have been most gratefully acknowledged.

All of which is respectfully submitted,

NORMAN WILLIAMS,  
President.

Chicago, January 8, 1898.

## REPORT OF THE TREASURER.

### STATEMENT OF FINANCES FOR YEAR 1897.

#### CASH.

Cash on hand December 31, 1896:

In bank	\$36,355.36
Librarian, petty cash	116.87
	<b>\$36,472.23</b>

#### RECEIPTS.

Collections account income

\$108,801.41

Bills collectable

514.48

Investments

33,077.63

Trustees of Estate of John Crerar, for  
Endowment Fund

8,715.64

**\$151,109.16**

\$187,581.39

#### DISBURSEMENTS.

Audited vouchers

\$78,240.82

Investments:

Bonds

35,940.41

**\$114,181.23**

Cash on hand December 31, 1897:

In bank

\$73,329.83

Librarian, petty cash

70.33

**\$73,400.16**

#### OPERATION.

##### INCOME

**\$110,805.72**

##### EXPENSE.

###### Administration:

Rent, Light, etc.	\$11,291.72
Salaries, Wages	19,946.13
Supplies	360.32
Printing	2,230.87
Transportation, Postage	513.63
Sundries	2,909.95
	<b>\$37,252.62</b>

###### Books:

Books	\$22,476.89
Periodicals	4,602.41
Binding	6,578.50
Lettering, Repairs	1,899.50
	<b>\$35,557.30</b>

###### Buildings and Grounds:

Repairs	2,014.32
Depreciation	1,524.40
	<b>3,538.72</b>

**\$76,348.64**

Surplus for year 1897,

Carried to Building Fund

**\$34,457.08**

## REPORT OF THE TREASURER.

## ASSETS.

Bonds	-	-	\$ 960,167.89
Stocks	-	-	1,466,570.00
Mortgage Loans	-	-	46,221.98
Furniture and Fixtures	-	-	13,719.67
Book Investment	-	-	66,047.23
Cash	-	-	<u>73,400.16</u>
Total	-	-	<u><u>\$2,626,126.93</u></u>

## LIABILITIES.

Endowment Fund	-	-	\$2,395,044.79
Building Fund	-	-	156,978.10
Book Fund	-	-	66,047.23
Security Reserve Fund	-	-	6,739.48
Audited vouchers	-	-	<u>1,317.33</u>
Total	-	-	<u><u>\$2,626,126.93</u></u>

Of the Assets the item "Book Investment" represents the amount invested in books, periodicals, and binding to December 31, 1897, less depreciation, and is offset by the item "Book Fund" under Liabilities, they being accounts of record only.

The item "Security Reserve Fund" represents the excess realized on the sale of securities as compared with the value of the same on the books of the Library, and has for its purpose the future protection of the Endowment and Building Funds.

There has been placed insurance covering the property of the Library to the extent of \$72,220.00, distributed as follows:

Books	-	-	\$53,000.00
Furniture and Fixtures	-	-	13,000.00
Portraits	-	-	6,000.00
Type and Cases	-	-	<u>220.00</u>
Total	-	-	<u><u>\$72,220.00</u></u>

## REPORT OF THE TREASURER.

9

There have been received from the Trustees of the Estate of John Crerar during the past year, for the Endowment Fund, as follows:

June 1, Securities valued at	- - -	\$500,198.15
" 23, Cash	- - -	7,500.00
Oct. 8, Cash in full payment of the Residuary Bequest to the Library	- - -	1,215.64

Respectfully submitted,

Wm. J. LOUDERBACK,  
Treasurer.

CHICAGO, January 8, 1898.

— — — — —

We hereby certify that we have examined the books of account and securities of The John Crerar Library, and find that the above statement of assets and liabilities is true and correct.

SMITH, RECKITT, CLARKE & Co.,  
Accountants and Auditors,

FEBRUARY, 17, 1898. 169 Jackson St., Chicago, Ill.

## REPORT OF THE LIBRARIAN.

TO THE BOARD OF DIRECTORS OF THE JOHN CRERAR LIBRARY.

Gentlemen,—The most important points to be noticed in the third annual report of the Librarian are the opening of the library to the public on the first day of April last, and the use which has been made of it since that time.

In accordance with the wishes of the Directors there were no formalities connected with the opening, but the crowds of visitors during the three days set aside for inspection proved that there existed a wide-spread interest in the library, and gave us hopes for its future usefulness, which have been fulfilled by the experience of the nine months following. The record of the attendance and use is as follows:

	Apr.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Visitors.....	1-3	4-30									
	1648	2117	1936	1632	1731	2017	2155	2311	2413	2272	18,584
Daily average.....	549	88	77	63	68	77	86	89	96	87	80
Books drawn from stack.....		549	584	613	574	874	967	913	920	1001	6,995
Daily average.....		24	22	24	22	34	39	35	37	38	30
Periodicals drawn from alcove.....		368	420	350	360	410	500	480	467	509	3,864
Daily average.....		16	16	13	14	16	20	18	19	20	17
Visitors admitted to stack.....		14	23	24	46	55	43	45	61	48	359

The smallest attendance on any one day was 37, on Saturday, July 3d, and the largest 150, on Saturday, April 17th.

The figures giving the number of books drawn from the stack and the number of periodicals drawn from the alcove have been quoted with great misgivings, because they are, by themselves, no indication of the use made of the library. There are placed on the shelves of the Reading Room some 1,500 volumes, including what are considered the best reference books, the best textbooks, both elementary and advanced, and a selection from the best general literature on each of our subjects. The result is

that the general or occasional reader finds there the material which he wants. The recorded use is also diminished by our practice of granting direct access to the stacks in certain cases. As the persons so admitted are the very ones who would naturally draw the greatest number of books,—indeed are often admitted for that reason,—the diminution of the recorded use is much greater than would be indicated by the proportion which these admissions bear to the whole number of visitors. Much the same may be said of the recorded use of the periodicals. The desks within the periodical alcove have been found to be convenient for the rapid consultation of a number of periodicals on a subject, and many readers even make a prolonged use of them, either because they prefer to stand or because they do not wish to make out a call-slip.

Though libraries which have a large unrecorded use often omit such figures entirely, as being so defective as to be worse than useless, it would seem as if they might be supplemented so as to present a more adequate view of the matter. Accordingly a careful analysis was made of the call-slips for one week, recent but not too near the holidays to present anomalies, with the result that almost exactly two readers out of five were found to draw books or periodicals or to enter the stack. The recorded total of 10,859 works or periodicals would have then to be multiplied by 2.5 to give the actual use of the library. Moreover this calculation is probably too low, because it assumes that the persons who drew books from the stack did not read any from the shelves in the Reading Room, and that those admitted to the stacks read only the average number read in the Reading Room. It should be said also that a liberal deduction was made for visitors who were not readers, and that the figures are for works, not volumes. Taking all these factors into consideration it would seem certain that the actual use of the library in the nine months during which it has been opened has exceeded 30,000 books and periodicals.

If these considerations are carried in mind, the numbers quoted may serve to indicate the extent of the more serious use made of the library. Thus they are sufficiently independent of the number of visitors registered to prove a gradual diminution of the sightseers who were quite noticeable during the first

## REPORT OF THE LIBRARIAN.

month or two; they also show the effect of the temporary closing of the Public Library, and that we have now recovered from the loss occasioned by its re-opening.

The analysis of the call-slips and of the admissions to the stack from another point of view has been of interest. Arranged by the departments of the library they show the following numbers:

DEPARTMENT	BOOKS	PERIODICALS	VISITORS TO STACK
General Works .....	1,533	1,418	27
Social Sciences .....	1,033	477	33
Physical Sciences .....	1,261	259	62
Natural Sciences .....	732	85	99
Applied Sciences .....	2,436	1,625	138
<b>Total</b> .....	<b>6,995</b>	<b>3,854</b>	<b>359</b>

In the statistical tables are given the numbers for each subject, which will be found to bear out the statement that all parts of the library are used. The comparatively small proportion of calls for works in Natural Sciences has been somewhat of a surprise; the comparatively large number in Applied Sciences was to be expected. It is to be noted, however, that a relatively large number of admissions to the stack were in Natural Sciences, and as has been said, each of these probably means the use of several works.

The record of persons receiving passes to the stacks confirms this statement as to the broad use made of the library. These passes are given only to persons engaged in work which makes frequent visits probable. Of the fourteen so far issued, three have been to university professors, two to special students, two to lawyers (one making a specialty of patents), two to editors of engineering magazines, one to a technical chemist, one to a manufacturer, one to a physician, and one to a teacher.

The recorded addresses of the persons drawing books and periodicals show that the library serves all sections of the city and its suburbs. The percentages were:

South Side .....	34
West Side .....	21
North Side .....	19
Business District .....	14
Out of Town .....	12

In response to repeated requests the library, which up to November 8th, had been open from 9 a.m. to 6 p.m., has been kept open until 10 p.m. since that date. For several reasons, among which are the effects of the holiday season and the difficulty found in making the change known, the evening attendance has not been as large as was expected; still it has been nearly as large proportionately as the day attendance, and it has seemed to us that the character of the reading has been even more earnest. It is to be hoped, however, that time and a wider knowledge of the library will bring a larger attendance of those who are unable to use it during the day.

One detail in connection with the use of the library may be of interest. An examination of the time stamps on the call-slips of the last month show that 85 per cent. of the books called for were delivered within one minute from the receipt of the slip, and 94 per cent. within two minutes. This quick service is due, of course, to the comparatively small number of books called for and of books on the shelves, and must diminish as these increase, yet it is satisfactory to know that the shelf-marks are not too complicated to be understood by our readers or found by our pages, and it is pleasant to have so good proof of the efficiency of the staff.

The past year has brought us many gratifying evidences of an increasing recognition of the usefulness of the library. Among these is the increased number of gifts; and a list of the donors is appended. While it is not feasible to make more than this general recognition of most of them, much as we value many, a few seem to require some special mention. The publications of the Massachusetts Institute of Technology were presented in accordance with the directions of the President of the Institute, the late Francis A. Walker. They are valuable because they embody the latest practice in teaching a wide range of technical subjects. So also the publications of the Volta Bureau, of the Botanic Gardens at Buitenzorg, of the Canadian Patent Office, and of the St. Louis Academy of Sciences are valuable sets. Recently the Western Society of Engineers has made us the offer of their files of unbound periodicals, expressing the belief that their action will be to the mutual benefit of the society and the library. A cursory examination of the collection has indi-

cated that we shall receive some two hundred or more volumes, many of which are out of print and very difficult to obtain. The society has added to our obligations by undertaking to recommend for our consideration the books which should form the basis of a good engineering library.

Much has been done by the Board, in the decisions made during the year, to define the scope of the library, but many such questions remain to be determined. Among them may be mentioned the beginning of collections of photographs, of maps, and in architecture, and, still more important, the definition of the limits to be observed in the field of the industrial arts. There is a strong demand for works in this field, which apparently is not met by the other libraries in the city, and which is made by men and women who are attracted to this library by their occupation and the character of their reading. It is a demand which deserves at least careful consideration.

The experience of the past year, tested as it has been by an unexpectedly large use of the Reading Room, has but confirmed the favorable judgment as to the convenience of the rooms and their arrangements. It is high praise to the architects to say that there are but one or two at all important matters which would be altered if the work were to be done over again. Some additions have been authorized by the Committee on Buildings and Grounds, and probably other needs will develop; indeed, the evening opening already has shown that we need more light, or rather a different arrangement of the light, in the periodical alcove. The use of this part of the room in the evening is considerable. In general, however, the arrangements have proved to be excellently adapted to their purposes, while the decoration is almost unanimously praised as having the effect sought by the architects, of making the library evidently a place for earnest and quiet study.

The amount of routine work to be done in the year was so great and the collections in many important subjects were so incomplete that it was thought inadvisable to begin the publication of regular bulletins. A preliminary edition, however, of the list of current periodicals was printed for use in the library and not for distribution. Even in its incomplete and imperfect form it has proved very useful, and a complete edition, giving a

classed as well as an alphabetical arrangement of the titles, might well be made our first regular bulletin. The second one might be made out of our titles in natural sciences, selected and arranged with special reference to the teachers in our public schools who are interested in nature-study. Being a comparatively small bulletin it would be a convenient one on which to try the electrotypes.

Besides the list of current periodicals, there have been printed, during the year, the first and second annual reports and two circulars descriptive of the library. I greatly regret that my absence this summer prevented the reports from receiving the careful proof-reading which they should have received, and also that it caused great delay in their distribution. An edition of 3,000 copies of each was printed, and the greater part distributed to the leading colleges, learned societies, and larger libraries of the world, and also to those who have been donors to the library since its organization.

A copy of each card printed for our catalogue has been sent to the following institutions: Armour Institute of Technology, Chicago Public Library, Field Columbian Museum, Newberry Library, Northwestern University, and University of Chicago. They are sent on condition that they shall be arranged and made accessible to the public. These conditions have been complied with, and we are assured, in some cases very warmly, that the cards are appreciated both by the libraries and the public. These assurances are confirmed by the requests of several other institutions for copies, of which only one could be granted. In selecting the University of Illinois for that one, the Committee on Administration have been governed by the fact that it is the state university. These requests for our catalogue cards and our own inquiries indicate a reasonable demand for our accession sheets when they shall be issued.

Turning now to the routine work of the year, I trust that it will be found satisfactory, both in quantity and quality. That it is both is through the earnest and faithful work of the staff, to whom the thanks of the Librarian are due.

The selection of the most important books has been made in nearly all subjects and with considerable completeness in many, Education, Physics, Chemistry, Botany, and Engineering being the

most important exceptions. Reference has been made already to the assistance promised, and in part rendered, by the Western Society of Engineers, and much assistance has been given also by individuals. The library is especially indebted to Mr. George E. Hooker, of Chicago, who, in a recent trip through the lake cities, made it a point to collect and send to us their latest municipal reports and publications, thus laying the foundations for a collection which ought to be of use to students of municipal government.

In addition to our other methods of selection, the Reference Librarian has organized a system of review-readings by members of the staff. The results of this work will be utilized not only in the selection of books to be purchased, but also of those to be shelved in the Reading Room. While started and organized independently, the work is similar in character to that outlined in a recent report of the Boston Public Library, and probably to much similar work in other libraries.

During the year 5,669 orders have been given. Of these 299 failed or were cancelled, leaving 5,370 valid orders, covering 9,251 volumes or pamphlets, at an estimated cost of \$16,518.72. Inclusive of the Newberry purchase, 6,472 orders have been filled, covering 16,151 volumes, at a cost of \$34,476.89; and there are outstanding 1,535 orders, covering 6,265 volumes at an estimated cost of \$15,668.76. The classification of the orders of the year and of the total to date, as well as of the estimated cost of each, is given in the table of Library Statistics.

Quite a number of the outstanding orders are for sets of periodicals which are not in the market, and can be obtained only as occasion offers. A full report on these is promised soon by the Boston Book Company, when some substitutions probably will be made, in order not to delay the development of the library.

The total accessions for 1897 have been 18,257, of which 1,697 were received by gift, 16,151 obtained by purchase, and 409 by binding periodicals or serials. There have been withdrawn from the shelves 143, leaving the net accessions for the year 18,114, which, with 11,027, the corrected number for last year, make a total now on our books of 29,141. Of these accessions 5,777 were from the Newberry purchase, the larger part of

the remainder of which consisted of duplicates or reprints, though there are several hundred pamphlets and a few volumes which will be accessioned later. The classification of the accessions for the year and of the total now in the library is shown in the table of Library Statistics.

At the time of printing the preliminary list the library was in receipt of 960 periodicals and serials. This number was increased from time to time, largely in answer to requests from readers, until at the end of the year it amounted to 1,188 (not including an indefinite number of serial publications of the British government), of which 143 are received by gift, and 1,045 by subscription, at an annual cost of \$4,099.57. Their classification is shown in the table. An addition which will require the larger part of the remainder of the appropriation has been authorized and ordered; the balance will be used for new periodicals, for those asked for by readers, and for those in our field which may be included in the plan for co-operative analysis just going into operation through the American Library Association.

During the year 4,864 volumes have been sent to the binders, and 5,332 received from them, leaving 353 at the bindery on January 1, 1898. The cost of the binding was \$6,578.50, an average of \$1.23 per volume. As stated in last year's report, this average is of no significance, because one year may show a preponderance of pamphlets at fifteen and twenty-five cents, and the next of sets of volumes containing plates at two or three dollars each. I can only repeat the statement made last year, that it is my opinion that, as a rule, the books are placed on the shelves in the best condition for their future usefulness at a reasonable cost. Practically all the books which have been catalogued and shelf-listed during the year, some 17,000 or more, have been shelf-marked and stamped with the library stamp. This work, together with the removal of the Newberry Library's stamp from their books and the lettering of a large number of cheaply-bound pamphlets, has cost \$1,899.50.

The work of the cataloguers has been much interrupted by changes in the staff, but for the last two months it has been up to our expectations. The procedure to be followed has recently been reduced to writing with good results. The Cataloguer reports that during the year 5,354 titles have been prepared.

cards for 7,008 received from the printer, and electrotypes for 8,302 from the electrotypers. The total number of titles prepared to date is 9,101, of titles printed 8,467, of electrotypes made 8,302. In these figures are not included the alterations in the printed titles, not a very large number, nor the considerable number of typewritten entries which have been made to cover sets of periodicals and works which are now incomplete, but which we hope to make complete in the near future. No record has been kept of this work because we hope that they soon will reach a maximum and afterwards be gradually replaced by printed entries.

The public card catalogues have received many compliments. The neatness of appearance and the legibility are often praised, while the record of the time occupied in filling calls proves that the call-numbers are generally understood. It is the opinion of many librarians that the classed arrangement of a subject catalogue is unintelligible to the general public, and that either the dictionary or the alphabetical subject catalogue is to be preferred. It was decided, however, partly because it could be done more promptly, to offer the author and classed subject catalogues first, and supplement these later with the alphabetical subject catalogue. That the first two, without the third, have given such satisfaction, is perhaps due in part to the fact that our readers are of more than average intelligence, but in larger part, it seems to me, because the books in such a library as ours lend themselves to this treatment better than those in a library of general literature, and because the printed cards allow us to make as many additional entries as seem necessary, so that a work can be entered under all the subjects of which it treats, and under all the useful relations of those subjects. This fulness of entry makes our subject catalogue, when considered in connection with the number of volumes on a given subject, the best index of our wealth or poverty in that subject, and gives special value to the statement of the number of entries in the catalogue under each subject. This is not usually included in library statistics, and indeed could not well be given from a dictionary or alphabetical subject catalogue. Credit for the suggestion is due to the shelf-lister, Miss Foye.

One important matter affecting the work of cataloguing

has been alluded to already, viz.: the co-operative analysis of certain serials by five American libraries, Harvard University Library, Boston Public Library, Columbia University Library, New York Public Library, and the John Crerar Library. They propose to furnish analytical titles for some 175 serials, mostly of a general character, embracing science, history, and geography. The printing and publication has been undertaken by the Publishing Section of the American Library Association, and the plan, it is hoped, will soon be in operation. This will entail upon us the preparation of some 600 titles per year; but as we should have to do most of this work in any case, and probably more than this amount eventually, while we receive as many copies as we need of some 3,000 titles at a less cost than that of the 600 printed by ourselves, the advantages are apparent. Indeed, it is the hope of some of the libraries interested that the success of this tentative effort of co-operative cataloguing may lead to a great extension in that line.

The report of a recent comparison of the books on the shelves with the shelf list shows that ten volumes are out of place or missing. In but three or four cases is the character of the book such as to warrant a suspicion that it has been taken intentionally from the library, and only one such occurs among the 1,475 volumes which have been open to the freest access in the Reading Room.

The library has been represented by the Assistant Librarian at the meeting of the Illinois State Library Association, and by the Librarian at the annual meeting of the American Library Association at Philadelphia in June, and at the Second International Library Conference at London in July. Advantage was taken of the latter occasion to visit many libraries in Great Britain, a short trip was made to Paris, and the Second International Bibliographical Conference held in Brussels in August was attended.

The broader acquaintance with the methods and problems of library and bibliographical work thus acquired ought to be of advantage to the library as well as to the librarian personally, and I hope, also, that the purposes and character of the library will be better and more widely known as a result of its representation at these meetings. That the trip was pleasant as well

as profitable was due to the courtesy and hospitality with which the visiting librarians were everywhere met, and which we cannot recall without an expression of our gratitude.

The staff of the library has undergone some changes during the year. Two members have resigned, but appointments have been made to fill their places, and the additions necessary for the evening opening have increased the total number, exclusive of the Treasurer and Librarian, to twenty-three. It is but justice to say that they have worked hard and faithfully throughout a year which has made exceptionally great demands upon their time and strength.

Respectfully submitted,

CLEMENT W. ANDREWS,

Librarian.

Chicago, January 8, 1898.

**LIBRARY STATISTICS.**

Subjects	ORDERS			ACCESSIONS			CATALOGUE			PERIODICALS			RECORDED USE		
	1867	Vol.	Est. Cost	1867	No.	No.	Total	No.	Entries	No.	Cost	No.	Books Periodicals	1867	No.
I.—GENERAL WORKS:															
0 Unclassified	59	\$196.51	344	\$689.97	110	423	470	2	\$4.44	61	44	61	8	7	
1 Bibliography	198	499.04	883	2,458.71	305	826	855	85	256.69	137	53	10			
2 Library Economy	122	60	573	539.52	92	260	150	24	40.79	63	26	1			
3 Cyclopedias	191	72.50	571	961.98	321	511	95	7	14.58	64	38	178	1,237	10	
4 Collected Works of Authors	22	96.27	65	205.38	51	71	35	60	228.65	178	10	82	10	1	
5 General Periodicals	327	97.59	1,851	2,584.21	851	1,451	85	150	58	240.02	82	8	8		
6 General Societies	393	1,291.70	1,260	5,597.35	836	1,157	138	20	1	84	8				
7 Exhibitions and Museums	143	151.89	325	235.62	112	112	112								
8 Special Libraries															
10 Philosophy	51	76.72	118	154.20	35	127	130	4	13.08	49	21				
13, 15 Psychology	123	195.37	228	466.49	137	189	195	11	33.29	196	54				
16 Logic	32	17.38	32	16.73	30	37	30								
40 Philology	36	34.92	448	696.15	52	249	270								
90 History and Geography	240	486.90	860	2,084.04	289	825	1,050	18	55.08	472	9	4			
91 Cartography	79	178.21	124	455.01	185	571	60			34	34				
	2,286	\$3,427.60	7,662	\$17,146.01	3,366	6,835	3,595	270	\$887.46	1,533	1,418	27			
II.—SOCIAL SCIENCES:															
17 Ethics	29	\$25.62	48	\$51.57	32	53	85	1	\$2.20	39	13				
20 Religion	12	19.96	16	24.96	10	40	95			53					
30 General Work	201	333.41	559	1,327.52	244	439	280	42	144.38	192	53	2			
31 Statistics	61	133.09	272	679.50	54	182	80	20	55.85	19	14				
32 Political Science	58	42.20	132	156.63	59	179	180	2	16.50	64	3	3			
33 Political Economy	389	506.02	1,152	1,633.60	522	1,008	900	55	164.47	249	215	6			
34 Law	98	269.73	123	293.31	75	131	130	5	14.02	35					
35 Administration (including Public Documents)	1,123	532.30	1,217	606.55	1,074	2,796	275	37	130.50	93	41	4			
36 Associations and Institutions	110	87.15	260	269.24	148	268	95	25	55.59	26	5	1			
37 Education	339	577.85	577	717.86	475	625	370	61	88.67	110	98	16			
38 Commerce and Communication	148	299.21	271	533.41	219	377	160	19	60.00	38	17	1			
39 Customs, Folklore, etc.	52	84.47	86	178.86	48	91	110	3	6.21	124	18				
	2,620	\$2,911.01	4,713	\$6,472.01	2,960	6,129	2,760	270	\$726.89	1,033	477	33			

## LIBRARY STATISTICS.

SUBJECTS	ORDERS			ACCESSIONS		CATALOGUE		PERIODICALS		RECORDED USE	
	1897		Total	1897		1897		1897		1897	
	Vol.	Est. Cost	Vol.	Est. Cost	No.	No.	Entries	No.	Cost	Books	Periodicals
III.— <b>PHYSICAL SCIENCES:</b>											
50 General Works .....	120	\$173 73	1,395	\$3,476 76	813	1,609	160	12	\$44 19	97	7
51 Mathematics .....	308	800 07	825	2,425 56	582	595	265	25	84 77	174	8
52 Astronomy .....	334	638 09	1,360	2,031 79	574	688	310	25	61 59	88	11
53 Physics .....	331	674 48	1,124	2,415 25	878	1,009	665	42	135 79	769	9
54 Chemistry and Mineralogy .....	253	732 80	1,374	3,782 12	493	959	275	34	166 63	194	16
	1,346	\$3,019 17	6,078	\$14,731 48	3,340	4,860	1,675	138	\$492 97	1,261	259
IV.— <b>NATURAL SCIENCES:</b>											
55 Geology .....	225	\$458 65	1,316	\$2,482 82	789	1,204	740	29	\$88 47	183	12
56 Palaeontology .....	32	128 79	80	390 81	50	64	160	4	49 00	4	--
57 Biology and Natural Sciences In General .....	416	962 19	2,035	6,409 09	1,188	1,865	690	74	321 29	248	33
58 Botany .....	221	794 53	705	2,709 29	424	545	420	43	226 08	132	11
59 Zoology .....	305	1,160 59	1,381	5,950 47	735	1,051	1,020	59	300 19	165	29
	1,199	\$3,510 75	5,517	\$17,942 48	3,186	4,729	3,030	209	\$885 03	732	85
V.— <b>APPLIED SCIENCES:</b>											
60, 70 General Works .....	83	\$179 73	1,911	\$3,384 57	1,144	1,296	155	51	\$202 74	178	37
61 Hygiene .....	133	236 87	265	566 05	199	273	240	14	37 95	105	2
62 Engineering .....	581	1,433 99	2,334	5,338 97	1,036	2,015	750	86	342 68	685	36
63 Agriculture .....	244	158 71	1,110	883 19	932	976	260	24	38 68	95	13
64 Domestic Economy .....	48	47 91	100	91 07	77	94	80	5	9 60	73	25
65 Trade and Transportation .....	144	359 96	416	920 22	280	440	280	23	66 33	254	1
66 Chemical Technology .....	229	569 29	798	2,059 55	536	655	435	22	107 63	518	47
67, 68 Manufactures and Trades .....	77	78 70	451	796 98	222	350	315	26	65 21	176	110
69 Building .....	117	165 85	377	715 49	145	285	250	12	36 12	136	49
71 Landscape Gardening .....	10	21 41	33	41 66	26	32	40	1	55 70	2	--
72 Architecture .....	25	135 48	31	148 78	30	36	80	13	86	56	--
73, 74 Drawing, Design, etc. ....	64	186 44	64	186 44	57	87	175	9	15 00	103	16
77 Photography .....	45	75 85	66	109 60	38	49	20	16	29 47	25	226
	1,800	\$1,660 19	7,956	\$15,442 57	5,322	6,585	3,080	301	\$1,007 22	2,436	138
Total .....	9,251	\$16,518 72	31,926	\$71,734 55	18,114	29,141	14,140	1,188	\$4,999 57	6,595	3,864

## LIST OF DONORS.

	Volumes or Pamphlets.
Acland, Sir Henry W., <i>Bart., Oxford, Eng.</i>	8
Allen, C. L., <i>Chicago, Ill.</i>	17
American Cement Co., <i>Chicago, Ill.</i>	1
American Iron and Steel Co., <i>Philadelphia, Pa.</i>	2
American Type Founders' Co., <i>Philadelphia, Pa.</i>	1
Andover Theological Seminary, <i>Andover, Mass.</i>	1
Andrews, Clement W., <i>Chicago, Ill.</i>	5
Arctowski, Henry, <i>Brussels, Belgium</i>	2
Avery, Prof. Elroy M., <i>Cleveland, O.</i>	10
Baca, Francisco Martinez, <i>Pueblo, Mexico</i>	1
Bain, Henry Foster, <i>Des Moines, Iowa</i>	11
Baltimore and Ohio R. R. Co., <i>Baltimore, Md.</i>	16
Barnes, Mrs. David L., <i>Chicago, Ill.</i>	12
Barr, L. J., <i>Chicago, Ill.</i>	16
Bartlett, J. C., <i>Chicago, Ill.</i>	1
Beck, James M., <i>Philadelphia, Pa.</i>	3
Bessey, Prof. Charles E., <i>Lincoln, Neb.</i>	1
Bibliothèque Administratif de la Préfecture de la Seine, <i>Paris, France</i>	15
Blatchley, W. S., <i>Indianapolis, Ind.</i>	5
Blauvelt, Albert, <i>Chicago, Ill.</i>	32
Boeckler, Carl, <i>Chicago, Ill.</i>	4
Bolton, H. Carrington, <i>Washington, D. C.</i>	1
Boss, H. B., <i>Chicago, Ill.</i>	2
Boston Public Library, <i>Boston, Mass.</i>	6
Boston Transit Commission, <i>Boston, Mass.</i>	1
Bowdoin College, <i>Brunswick, Maine</i>	1
Bradford, Rhodes and Co., <i>New York, N. Y.</i>	1
Buffalo, N. Y., <i>City of</i>	60
Buffalo Public Library, <i>Buffalo, N. Y.</i>	1
Burchard, E. L., <i>Chicago, Ill.</i>	5
Burnham, S. W., <i>Chicago, Ill.</i>	6
Butte Free Public Library, <i>Butte, Montana</i>	1
Cambridge Public Library, <i>Cambridge, Mass.</i>	1
Canada, Commissioner of Patents, <i>Ottawa, Can.</i>	18
Carnegie Free Public Library, <i>Allegheny, Pa.</i>	1
Central Art Association of America, <i>Chicago, Ill.</i>	1
Central American Exposition Commission	7
Chadwick, L., <i>Chicago, Ill.</i>	2
Chandler, Seth C., <i>Cambridge, Mass.</i>	3
Chanute, Octave, <i>Chicago, Ill.</i>	2

## LIST OF DONORS.

	Volumes or Pamphlets.
Charles, Fred L., <i>Austin, Ill.</i>	1
Charlton, James, <i>Chicago, Ill.</i>	1
Chicago Academy of Sciences, <i>Chicago, Ill.</i>	18
Chicago, Burlington and Quincy R. R. Co., <i>Chicago, Ill.</i>	41
Chicago Civil Service Commission, <i>Chicago, Ill.</i>	1
Chicago Commons, <i>Chicago, Ill.</i>	1
Chicago Public Library, <i>Chicago, Ill.</i>	64
Chicago Turngemeinde, <i>Chicago, Ill.</i>	1
Crawford and Balcarres, <i>Earl of, Wigan, Eng.</i>	1
Christison, Dr. J. S., <i>Chicago, Ill.</i>	1
Citizens' Union, <i>New York, N. Y.</i>	40
City Vigilance League, <i>New York, N. Y.</i>	2
Civil Service Reform Ass'n, <i>New York, N. Y.</i>	1
Cleveland, O., <i>City of</i>	39
Clevenger, S. V., <i>Chicago, Ill.</i>	4
Cobden Club, <i>London, Eng.</i>	1
Colliery Engineer Co., <i>Scranton, Pa.</i>	1
Collins and Burgie, <i>Chicago, Ill.</i>	43
Columbia College Library, <i>New York, N. Y.</i>	1
Connecticut Agricultural Experiment Station, <i>New Haven, Conn.</i>	1
Cotgreave, Alfred, <i>London, Eng.</i>	1
Curry, J. L. M., <i>Washington, D. C.</i>	1
Detroit, Mich., <i>City of</i>	43
Detroit Chamber of Commerce, <i>Detroit, Mich.</i>	2
Detroit Public Library, <i>Detroit, Mich.</i>	1
Dexter, Lydia A., <i>Chicago, Ill.</i>	1
Dolge, Alfred, and Son, <i>Dolgeville, N. Y.</i>	4
Donald, F. C., <i>Chicago, Ill.</i>	12
Drexel Institute, <i>Philadelphia, Pa.</i>	1
Eau Claire Public Library, <i>Eau Claire, Wis.</i>	1
Eliassof, Hermann, <i>Chicago, Ill.</i>	1
Emerson, Prof. and Mrs., <i>Beloit, Wis.</i>	2
Evanston Free Public Library, <i>Evanston, Ill.</i>	1
Farmer, A. D., <i>Type Foundry Co., Chicago, Ill.</i>	1
Felsenthal, E. I., <i>Chicago, Ill.</i>	12
Fewkes, J. Walter, <i>Washington, D. C.</i>	17
Field Columbian Museum, <i>Chicago, Ill.</i>	3
Fletcher Free Public Library, <i>Birmingham, Vt.</i>	1
Foster, C. H., <i>Chicago, Ill.</i>	1
Fraser and Chalmers, <i>Chicago, Ill.</i>	1
Galloway, Dr. D. H., <i>Chicago, Ill.</i>	5
Galloway, James B., <i>Chicago, Ill.</i>	1
Georgetown College Observatory, <i>Georgetown, D. C.</i>	2
Gibson, Charles B., <i>Chicago, Ill.</i>	6
Gilman, Daniel C., <i>Chicago, Ill.</i>	12
Girard College, <i>Philadelphia, Pa.</i>	1
Gookin, Frederick W., <i>Chicago, Ill.</i>	12
Gould, E. R. L., <i>New York, N. Y.</i>	6
Gould, Dr. G. M., <i>Philadelphia, Pa.</i>	1
Green, S. A., <i>Boston, Mass.</i>	60

## LIST OF DONORS.

25

Volumes or  
Pamphlets.

Grossherzogliche Hessische Hof-Bibliothek, <i>Darmstadt, Germany</i> .....	1
Hale, Dr. Edwin M., <i>Chicago, Ill.</i> .....	4
Hartford Theological Seminary, <i>Hartford, Conn.</i> .....	1
Harvard University, <i>Cambridge, Mass.</i> .....	2
Harvard Medical Alumni Association, <i>Cambridge, Mass.</i> .....	9
Hawley Down Draft Furnace Co., <i>Chicago, Ill.</i> .....	1
Hayes, Rutherford P., <i>Columbus, O.</i> .....	3
Hodge, Frederick W., <i>Washington, D. C.</i> .....	3
Holland Society, <i>Chicago, Ill.</i> .....	1
Home for Aged Jews, <i>Chicago, Ill.</i> .....	1
Hooker, George E., <i>Chicago, Ill.</i> .....	2
Hubbell, Mark S., <i>Buffalo, N. Y.</i> .....	1
Illinois Humane Society, <i>Chicago, Ill.</i> .....	1
Illinois, Secretary of State, <i>Springfield, Ill.</i> .....	2
Iowa Masonic Library, <i>Cedar Rapids, Iowa</i> .....	2
James, Prof. Edmund J., <i>Chicago, Ill.</i> .....	2
John Douglas Co., <i>Chicago, Ill.</i> .....	1
John F. Slater Fund Trustees, <i>Washington, D. C.</i> .....	13
Johns Hopkins University, <i>Baltimore, Md.</i> .....	1
Jones, Arthur B., <i>Chicago, Ill.</i> .....	33
Josephson, A. G. S., <i>Chicago, Ill.</i> .....	17
Kansas University, <i>Lawrence, Kan.</i> .....	2
Keep, W. J., <i>Detroit, Mich.</i> .....	6
Kernther, Francis, <i>Budapest, Hungary</i> .....	1
Lake Forest University, <i>Lake Forest, Ill.</i> .....	1
Lands Plantentuin, <i>Buitenzorg, Java</i> .....	13
Lehigh University, <i>South Bethlehem, Pa.</i> .....	1
Leland Stanford, Junior, University, <i>Palo Alto, Cal.</i> .....	12
Lemcke and Buechner, <i>New York, N. Y.</i> .....	1
Leonard, Gardner C., <i>Albany, N. Y.</i> .....	2
Leuschner, Arnim O., <i>University of California</i> .....	1
Lewis Institute, <i>Chicago, Ill.</i> .....	1
Library Company of Philadelphia, <i>Philadelphia, Pa.</i> .....	2
Lincoln, Hon. Robert T., <i>Chicago, Ill.</i> .....	5
Lloyd, Henry D., <i>Winnetka, Ill.</i> .....	1
Longmans, Green and Co., <i>New York, N. Y.</i> .....	1
Lowell City Library, <i>Lowell, Mass.</i> .....	3
Lowdermilk, W. H. & Co., <i>Washington, D. C.</i> .....	1
Lynn Public Library, <i>Lynn, Mass.</i> .....	1
McCormick Harvesting Machine Co., <i>Chicago, Ill.</i> .....	1
McCormick, Leander J., <i>Chicago, Ill.</i> .....	2
McDonald, A. Y., Co., <i>Chicago, Ill.</i> .....	2
McGill University Library, <i>Montreal, Canada</i> .....	14
Macmillan Co., <i>New York, N. Y.</i> .....	14
Massachusetts Agricultural College, <i>Amherst, Mass.</i> .....	1
Massachusetts Board of Agriculture, <i>Boston, Mass.</i> .....	9
Massachusetts General Hospital, <i>Boston, Mass.</i> .....	1
Massachusetts Institute of Technology, <i>Boston, Mass.</i> .....	46
Mayer and Mueller, <i>Berlin, Germany</i> .....	1
Melbourne Public Library, <i>Melbourne, Australia</i> .....	1

## LIST OF DONORS.

	Volumes or Pamphlets.
Mechanics Institute, <i>San Francisco, Cal.</i> .....	1
Mercantile Library, <i>Philadelphia, Pa.</i> .....	4
Merryweather, George, <i>Chicago, Ill.</i> .....	6
Milwaukee Public Library, <i>Milwaukee, Wis.</i> .....	3
Missouri Botanical Garden, <i>St. Louis, Mo.</i> .....	8
Natal, Agent General, <i>London, Eng.</i> .....	1
National Academy of Sciences, <i>Washington, D. C.</i> .....	9
National Single Taxer Co., <i>Minneapolis, Minn.</i> .....	19
Nelson, Murry, Jr., <i>Chicago, Ill.</i> .....	1
Neptune Meter Co., <i>New York, N. Y.</i> .....	4
Nevada State Weather Service, <i>Carson City, Nev.</i> .....	1
New Haven Public Library, <i>New Haven, Conn.</i> .....	1
New Mexico, Bureau of Immigration, <i>Santa Fe, N. M.</i> .....	2
New York Public Library, <i>New York, N. Y.</i> .....	22
New York Society Library, <i>New York, N. Y.</i> .....	1
New York State Library, <i>Albany, N. Y.</i> .....	3
Nipher, Prof. Francis E., <i>St. Louis, Mo.</i> .....	9
Nordamerikanischer Turnerbund, <i>St. Louis, Mo.</i> .....	5
North Adams Public Library, <i>North Adams, Mass.</i> .....	1
North Carolina Department of Agriculture, <i>Raleigh, N. C.</i> .....	2
North Carolina Geological Survey, <i>Raleigh, N. C.</i> .....	6
Northwestern University, <i>Evanston, Ill.</i> .....	4
Oberlin College Library, <i>Oberlin, O.</i> .....	1
Ohio State Library, <i>Columbus, O.</i> .....	1
Onahan, W. J., <i>Chicago, Ill.</i> .....	8
Ontario Bureau of Mines, <i>Toronto, Ont.</i> .....	1
Ontario Department of Agriculture, <i>Toronto, Ont.</i> .....	6
Ontario Department of Crown Lands, <i>Toronto, Ont.</i> .....	1
Ontario Department of Education, <i>Toronto, Ont.</i> .....	2
Ontario Provincial Government, <i>Toronto, Ont.</i> .....	24
Parkman Club, <i>Milwaukee, Wis.</i> .....	11
Parsons, J. R., <i>Chicago, Ill.</i> .....	1
Passaic Valley Sewerage Commission, <i>Newark, N. J.</i> .....	1
Peabody Educational Fund Trustees, <i>New York, N. Y.</i> .....	1
Peabody Institute, <i>Baltimore, Md.</i> .....	1
Peabody Museum, <i>Cambridge, Mass.</i> .....	1
Peck, G. W., Jr., <i>Milwaukee, Wis.</i> .....	1
Peckham, G. W., <i>Milwaukee, Wis.</i> .....	16
Pennsylvania R. R. Co., <i>Philadelphia, Pa.</i> .....	1
Phillips Academy, <i>Andover, Mass.</i> .....	1
Pittsburg Reduction Co., <i>Pittsburg, Pa.</i> .....	1
Powers, E., <i>Delavan, Wis.</i> .....	1
Pratt Institute, <i>Brooklyn, N. Y.</i> .....	2
Providence Public Library, <i>Providence, R. I.</i> .....	1
Putnam's, G. P., Sons, <i>New York, N. Y.</i> .....	1
Quincy, Josiah, <i>Boston, Mass.</i> .....	2
Rix, E. A., <i>San Francisco, Cal.</i> .....	1
Rogers and Smith Co., <i>Chicago, Ill.</i> .....	1
Rolfe, G. W., <i>Cambridge, Mass.</i> .....	1
St. Louis Academy of Sciences, <i>St. Louis, Mo.</i> .....	14

## LIST OF DONORS.

27

	Volumes or Pamphlets.
St. Louis Free Public Library, <i>St. Louis, Mo.</i> .....	1
St. Louis Mercantile Library Association, <i>St. Louis, Mo.</i> .....	1
Salem Public Library, <i>Salem, Mass.</i> .....	4
Scientific Alliance, <i>New York, N. Y.</i> .....	1
Scientific Machinist, <i>Cleveland, O.</i> .....	1
Scranton Public Library, <i>Scranton, Pa.</i> .....	11
See, Y. J. J., <i>City of Mexico, Mexico</i> .....	1
Seattle Public Library, <i>Seattle, Washington</i> .....	2
Silas Bronson Library, <i>Waterbury, Conn.</i> .....	2
Smiley, Albert K., <i>Lake Mohonk, N. Y.</i> .....	2
Smithsonian Institution, <i>Washington, D. C.</i> .....	17
Sociedad Cientifica "Antonio Alzate," <i>City of Mexico, Mexico</i> .....	4
Southworth, G. C. S., <i>Salem, O.</i> .....	1
Springfield City Library Association, <i>Springfield, Mass.</i> .....	1
State Historical Society of Wisconsin, <i>Madison, Wis.</i> .....	4
State University of Iowa, <i>Iowa City, Iowa</i> .....	2
Steiner, Bernard C., <i>Baltimore, Md.</i> .....	18
Stetson, W. W., <i>Augusta, Me.</i> .....	1
Studebaker Bros. Manufacturing Co., <i>Chicago, Ill.</i> .....	1
Summers, Leland L., <i>Chicago, Ill.</i> .....	4
Swan, C. H., <i>New York, N. Y.</i> .....	2
Swank, James M., <i>Philadelphia, Pa.</i> .....	1
Talbot, H. P., <i>Boston, Mass.</i> .....	1
Taussig, F. W., <i>Cambridge, Mass.</i> .....	1
Teubner, B. G., <i>Leipsic, Germany</i> .....	1
Thurston, Lorin A., <i>Chicago, Ill.</i> .....	1
Tillinghast, W. H., <i>Cambridge, Mass.</i> .....	2
Toledo Board of Education, <i>Toledo, O.</i> .....	8
Toledo, O., <i>City of</i> .....	3
Tolman, W. H., <i>New York, N. Y.</i> .....	16
Trades Weekly Co., <i>Chicago, Ill.</i> .....	1
Travelers' Insurance Co., <i>Hartford, Conn.</i> .....	5
Trinity College, <i>Toronto, Ont.</i> .....	1
Tulane University, <i>New Orleans, La.</i> .....	1
Union League Club, <i>Chicago, Ill.</i> .....	1
United Hebrew Charities, <i>Chicago, Ill.</i> .....	1
United States Government, <i>Washington, D. C.</i> .....	447
United States Naval Observatory, <i>Washington, D. C.</i> .....	27
Universitets-Biblioteket, <i>Upsala, Sweden</i> .....	1
University of California, <i>Berkeley, Cal.</i> .....	1
University of Chicago, <i>Chicago, Ill.</i> .....	2
University of Colorado, <i>Boulder, Col.</i> .....	1
University of Michigan, <i>Ann Arbor, Mich.</i> .....	1
University of Nebraska, <i>Lincoln, Neb.</i> .....	1
University of the State of New York, <i>Albany, N. Y.</i> .....	20
University of Wisconsin, <i>Madison, Wis.</i> .....	16
University of Wyoming, <i>Laramie, Wyo.</i> .....	14
Unknown.....	1
Van Nostrand, D., Co., <i>New York, N. Y.</i> .....	1
Volta Bureau, <i>Washington, D. C.</i> .....	49

## LIST OF DONORS.

	Volumes or Pamphlets.
Wake, C. Staniland, <i>Chicago, Ill.</i> -----	3
Washburn Observatory, <i>Madison, Wis.</i> -----	3
Waterman, R., Jr., <i>Chicago, Ill.</i> -----	1
Western Reserve University, <i>Cleveland, O.</i> -----	1
Western Society of Engineers, <i>Chicago, Ill.</i> -----	1
Williams, Rev. E. F., D.D., <i>Chicago, Ill.</i> -----	1
Wilmington Institute, <i>Wilmington, Del.</i> -----	1
Winship, George Parker, <i>Providence, R. I.</i> -----	1
Wire, Dr. G. E., <i>Evanston, Ill.</i> -----	1
Wisconsin Academy of Sciences, Arts and Letters, <i>Madison, Wis.</i> -----	3
Wisconsin Free Public Library Commission, <i>Madison, Wis.</i> -----	2
Wyoming Experiment Station, <i>Laramie, Wy.</i> -----	4
Y. M. C. A. Library, R. R. Branch, <i>New York, N. Y.</i> -----	2

1,934

## REGULATIONS.

The library is open to the public every day, excepting Sundays and legal holidays, from 9 a.m. to 10 p.m.

Books shelved in the Reading Room may be consulted without formality, but after use are to be left on the tables instead of being replaced on the shelves.

Current periodicals may be consulted within the periodical alcove; and may be obtained for use at the tables in the Reading Room by presenting to the Periodical Clerk a serial call-slip properly filled out.

Books not shelved in the Reading Room may be obtained by presenting to the Delivery Clerk a book call-slip properly filled out. These books are to be returned to the delivery desk.

Persons engaged in special research, if satisfactorily vouched for, may be admitted to the Stack Room. All books used under this provision are to be left on the tables in the Stack Room.

Books of great value and rarity may be consulted only in the presence of an attendant.

Writing or marking in books belonging to the library, or their mutilation in any manner, is forbidden. The tracing of plans will be permitted if done over a celluloid cover, but not otherwise. These covers will be furnished upon application at the delivery desk.

A printed card catalogue has been prepared for the use of the public. At present it is in two sections, alphabetical author and classed subject; an alphabetical subject arrangement will be added later.

The Reference Librarian, in charge of the Reading Room, will give assistance in the use of the catalogue and the selection of books.



THE  
JOHN CRERAR LIBRARY  
FOURTH ANNUAL REPORT  
FOR THE YEAR  
1898



CHICAGO  
PRINTED BY ORDER OF THE BOARD OF DIRECTORS  
1899

The Lakeside Press  
R. R. DONNELLEY & SONS COMPANY  
CHICAGO

## OFFICERS, 1899

*President*

**NORMAN WILLIAMS**

*First Vice-President*

**HUNTINGTON W. JACKSON**

*Second Vice-President*

**PETER STENGER GROSNCUP**

*Secretary*

**GEORGE A. ARMOUR**

*Treasurer*

**WILLIAM J. LOUDERBACK**

*Librarian*

**CLEMENT W. ANDREWS**

## BOARD OF DIRECTORS

**NORMAN WILLIAMS**

<b>HUNTINGTON W. JACKSON</b>	<b>ALBERT KEEP</b>
<b>MARSHALL FIELD</b>	<b>SIMON J. MCPHERSON</b>
<b>E. W. BLATCHFORD</b>	<b>JOHN M. CLARK</b>
<b>T. B. BLACKSTONE</b>	<b>GEORGE A. ARMOUR</b>
<b>ROBERT T. LINCOLN</b>	<b>FRANK S. JOHNSON</b>
<b>HENRY W. BISHOP</b>	<b>PETER STENGER GROSNCUP</b>

## STANDING COMMITTEES

*Finance*

**MARSHALL FIELD**

**ALBERT KEEP**

**T. B. BLACKSTONE**

*Buildings and Grounds*

**JOHN M. CLARK**

**HENRY W. BISHOP**

**ROBERT T. LINCOLN**

*Administration*

**HUNTINGTON W. JACKSON**

**E. W. BLATCHFORD**

**PETER STENGER GROSNCUP**

*Books*

**SIMON J. MCPHERSON**

**GEORGE A. ARMOUR**

**FRANK S. JOHNSON**

LIBRARY STAFF, 1899

<i>Librarian</i> - - - - -	CLEMENT W. ANDREWS
<i>Assistant Librarian</i> - - - - -	ANDERSON H. HOPKINS
<i>Cataloguer</i> - - - - -	AKSEL G. S. JOSEPHSON
<i>Reference Librarian</i> - - - - -	HERVEY WHITE
<i>Assistant Cataloguer</i> - - - - -	MARY E. HAWLEY

*Senior Assistants*

EDITHA C. PHELPS	CHARLOTTE H. FOYE
SARAH S. DICKINSON	FLORENCE KELLEY
	ELEANOR ROPER

*Junior Assistants*

MARY EMILY MILLS	CHARLES WITT
KATE P. JOHNSON	GERTRUDE FORSTALL
MARY A. HORNE	MARGARET E. ZIMMERMAN

*Attendants*

LESTER C. BAILEY	ELMER M. SHERLOCK
ERNST O. C. HOEFER	JOHN M. O'CONNOR
	ROBERT M. BUCK

*Pages*

CHARLES GREGORY	WM. FREDERICK RODGER
-----------------	----------------------

<i>Janitor</i> - - - - -	THEODORE F. WILLIAMS
<i>Assistant Janitor</i> - - - - -	WILLIAM R. BICKHAM

## REPORT OF THE PRESIDENT.

TO THE BOARD OF DIRECTORS OF THE JOHN CRERAR LIBRARY.

Gentlemen,—The fourth year of the work of the Library has shown satisfactory advances in its usefulness to the public, in its actual growth, and in its prospects for future usefulness and growth.

Special attention is called to the report of the Treasurer, who merits your grateful commendation for his remarkable fidelity and skill in the discharge of the year's unusually important duties. That report will give the details as to the sale and conversion of securities, the gratifying result of which is a large increase in the assets and annual income of the Library. The reinvestment of the funds thus obtained is not yet completed. The sum now available for the Endowment Fund is fully \$3,000,000, while the operation accounts for the year show a surplus of about \$35,000 applicable to the Building Fund, which, with that sum added, will amount to nearly \$192,000. The net profit arising from the sale of securities increases the amount of the Security Reserve Fund so much as to make desirable a definition of the policy of the Board as to its application.

The Committee on Buildings and Grounds has arranged to meet the requirements of the Library as to an extension of the present lease and the securing of the additional space which will be needed in the immediate future.

There were added to the Library during the year 14,000 volumes, making the total accessions 43,000. The recorded use shows the remarkable increase of 55 per cent., and careful tests show an actual use of nearly 70,000 volumes and periodicals. The increase and use have been well distributed through all the departments of the Library. More than 30,000 visitors were recorded, an average of 99 a day. In accordance with the policy of the Board, the Library has taken part in two schemes of coöperative work which promise to add successful results to

those already attained by it in this line. Details of the administration will be found in the accompanying report of the Librarian.

To the donors of valuable publications received as gifts the thanks of the Board have been extended in the usual form, but the increase in the number of donors deserves special mention as an indication of the growing public interest in the Library.

No vacancies have occurred during the year in the Board of Directors. To the Committees, the President desires to express his gratitude for their cordial response to the calls upon their time and attention made by the needs of the Library. To the Treasurer, the Librarian, and the members of the staff, he acknowledges his gratitude for the results attained by their faithful and efficient work.

Respectfully submitted.

NORMAN WILLIAMS,  
President.

Chicago, January 19, 1899.

## REPORT OF THE TREASURER.

## STATEMENT OF FINANCES FOR YEAR 1898.

CASH.

**Cash on hand December 31, 1897:**

In bank - - - - - \$73,329.83  
Librarian, petty cash - - - - - 70.33 \$ 73,400.16

RECEIPTS.

**Collections account income** . . . . . \$ 115,774.37

**Bills collectable** - - - - **332.86**

### **Investments:**

Mortgage Loans	6,400.00			
Stocks - - -	1,083,757.24	1,090,157.24	1,206,264.47	
				\$1,279,664.63

## **DISBURSEMENTS.**

**Audited Vouchers** - - - - - **\$ 81,185.39**

### Investments:

Bonds	-	-	284,223.28	
Mortgage Loans			2,860.48	
Stocks	-	-	118,645.61	
Special Deposits			475,000.00	880,729.37 961,914.76

**Cash on hand December 31, 1898:**

In bank	317,663.36	
Librarian, petty cash	86.51	\$317,749.87

## OPERATION.

**INCOME** . . . . . **\$116,728.05**

**EXPENSE.**

### Administration:

Rent, Light, etc.	\$13,465.18
Salaries, Wages	22,895.03
Supplies	1,238.71
Printing	1,791.15
Transportation, Postage	579.13
Sundries	2,675.98
	42,645.18

## Books:

Books	\$24,765.51
Periodicals	4,055.45
Binding	6,605.00
Lettering, Repairs	1,393.60

### **Buildings and Grounds:**

Repairs - - - - \$ 244.51  
 Depreciation - - - - 1,423.58 1,668.09 81,732.83

**Surplus for year 1898.**  
Carried to Building Fund - - - - - \$34,995.22

## REPORT OF THE TREASURER.

## ASSETS.

Bonds	\$1,245,667.11
Stocks	1,123,494.00
Mortgage Loans	42,360.20
Furniture and Fixtures	12,812.24
Book Investment	95,468.47
Special Deposits	475,000.00
Cash	317,749.87
Total	\$3,312,551.89

## LIABILITIES.

Endowment Fund	\$3,000,000.00
Building Fund	191,973.32
Book Fund	95,468.47
Security Reserve Fund	23,819.90
Audited vouchers	1,290.20
Total	\$3,312,551.89

During the year the Security Reserve Fund, representing accretions resulting from sales of stocks and other securities, reached the amount of \$628,775.11, of which, by order of the Board, there was transferred to Endowment Fund \$604,955.21, thus placing the Endowment Fund at \$3,000,000.00 and leaving an ample balance in the Security Reserve Fund.

The Building Fund has been increased by the amount of the surplus for the year, viz., \$34,995.22, making a total to the credit of that Fund of \$191,973.32.

The Book Fund has been increased by the amount of the investment during the year, less depreciation, and now stands at \$95,468.47.

## REPORT OF THE TREASURER.

9

Insurance is in force covering the property of the Library in amounts as follows:

Books	-	-	-	\$76,000.00
Furniture, fixtures and decorations	-	-	-	10,500.00
Portraits	-	-	-	6,000.00
Type and cases	-	-	-	220.00
				<hr/>
				\$92,720.00

Wm. J. LOUDERBACK,

Treasurer.

Chicago, January 30, 1899.

---

We hereby certify that we have examined the books of account and securities of The John Crerar Library, and find that the above statement of assets and liabilities is true and correct.

SMITH, RECKITT, CLARKE & Co.,

Accountants and Auditors,

March 16, 1899.

169 Jackson St., Chicago, Ill.

## REPORT OF THE LIBRARIAN.

TO THE BOARD OF DIRECTORS OF THE JOHN CRERAR LIBRARY.

*Gentlemen*.—The fourth year of the work of the library, of which the following report presents the more important details, has been marked by continued growth, by an increased usefulness to the public, and by increased demands from the public. So far as these demands are within the limits of the field marked out by the Directors they are a strong argument in favor of maintaining the present rate of growth, especially as the increased income of the library will permit the accumulation of a building fund as rapidly as was contemplated originally.

The present quarters are conveniently situated and comfortably arranged. If more space can be obtained, they can be made to serve well for several years to come. More space is necessary, however, for in storage room alone the limit of capacity will be almost reached at the end of our present lease, while to secure convenient administration of the library additional room is required for other purposes. It should be remembered that the change from a double to a single stack, advised by the architects, deprived us of room much needed for storage of janitor's supplies and for the proper care and storage of valuable books. A room should be set apart for these, and should be furnished with apparatus for photographing the largest plates so that the library may not incur the risk of loss and damage incidental to allowing their removal from the library in order that they may be of the greatest use.

Attention is called to the proof of the usefulness of the library exhibited in the first table of library statistics, which gives the monthly and average daily attendance, use of books, use of periodicals, and the number of visitors admitted to the stack. It will be seen that there were recorded 30,516 visitors to the library, a daily average of 99 for each day it was open; 15,367

books were drawn from the stack, and 7,213 periodicals from the periodical alcove; and 656 visitors admitted to the stack. A comparison of the figures for 1898 with those of 1897 shows that the daily average of visitors has increased 24 per cent., the recorded use of books 67 per cent., that of periodicals 35 per cent., and the admissions to the stack 37 per cent. The smallest attendance on any one day was 28, on May 30th, and the largest 172, on December 3d. The evening attendance was remarkably steady during the first part of the year, fell off during the extreme hot weather, and then showed a gratifying increase over all previous figures. For the last two months it was 75 per cent greater than for the same months of 1897.

In the last report were stated at length the reasons why the recorded use of both books and periodicals is only a comparatively small fraction of the whole use. An attempt was made then to determine the proportion by ascertaining the number of readers who did not write call-slips for either books or periodicals; the resulting proportion of 1:2.5 was thought to be too low, and 1:3 was taken as the most probable value. It seemed desirable, especially in view of the not inconsiderable amount of assumption in the calculation, to confirm it by direct observation. Accordingly for two weeks, one in June and one in December, a record was kept of each person entering the library, the number of books taken from the shelves in the Reading Room or periodicals read in the periodical alcove noted, and all visitors admitted to the stack were asked to report the number of volumes consulted.

The results were in curiously close agreement with each other and with the previous estimate. One week gave the proportion of recorded to total use as 1:3.1, and the other as 1:3.3. It may be said, then, that the recorded use of 22,580 books and periodicals in 1898 represents an actual use of about 70,000. This can be stated the more confidently because the only obvious source of error in the figures is the impossibility of watching each person all the time; so that the result probably is still somewhat too low.

The figures show some details which may be of interest. Thus, of every 100 persons entering the library, 82 come to read, and 80 actually do use one or more books or pamphlets. The average number of books used by each reader admitted to

the stack is 6, by each reader in the Reading Room 3.3, of periodicals, 1.8. On the average, each reader keeps a book drawn from the stack an hour and a half. The proportion of recorded to total use of books was 1:3.4, and of periodicals 1:3.2. Only 18 per cent. of the visitors to the library were women; nearly one-half of these did no reading whatever, and a very small proportion used the current periodicals.

That all the subjects included in the library are in fair demand will be seen from the detailed classification of the call-slips given in the second table of library statistics. The comparison of percentages in each department with those of 1897 shows that the rate of increase for books and periodicals has been about the same for each department, though the Applied Sciences have gained a little and the others are more even, but that in admissions to the stack the Social Sciences have made a notable gain. The figures are as follows:

DEPARTMENT	PERCENTAGES.			
	RECORDED USE, 1897	ADMISSIONS TO STACK, 1898	RECORDED USE, 1897	ADMISSIONS TO STACK, 1898
General Works	28	24	8	8
Social Sciences	14	15	9	16
Physical Sciences	14	13	17	17
Natural Sciences	7	8	28	25
Applied Sciences	37	40	38	34

Passes to the stack have been given only to persons known to the Librarian, and only when circumstances indicated the probability of frequent use. In other cases readers have been registered for each visit. The number of such registered admissions is 455, and that of admissions on passes is 201. Eighteen passes have been given during the year, making 32 in all, but the holder of one has since died, and another has been reported lost. Probably it will be found desirable to begin a new registration every few years. Of the 31 passes in force, 25 have been used, showing that they are not granted too freely.

As was anticipated in the last report, the time necessary to serve a reader is longer this year than last, but as the average time was 1.65 minutes, and as 83 per cent. of the calls were filled within two minutes and 91 per cent. within three minutes, there is every reason to feel satisfied with the efficiency of the delivery clerks and their assistants.

The library continues to serve all sections of the city and its

suburbs, while the number of persons coming from a distance to make use of it is constantly increasing, though naturally not in proportion to the increase in the number of citizens. The percentages are:

	1897	1898
South Side .....	34	35
North Side .....	19	26
West Side .....	21	22
Business District .....	14	10
Out of Town .....	12	7

Reference has been made to the desirability of facilities for photographing, in order to avoid allowing valuable volumes of plates to be taken from the library. The increase in the number of such books in the library, and the largely increased number of readers, have caused so many requests for loans as to make it necessary to define the policy of the library. The Committee on Administration, in whose hands the Directors placed the matter, have desired to make the library as useful as possible to the public, but have felt that it is essential to the purposes of a reference library that its books should be available for consultation by every one at any time. Accordingly, they have instructed the Librarian to allow only such books to go out as are called for very seldom, to remain out but a short time, and only when the reason is something beside the personal convenience of the reader.

At the annual meeting of the American Library Association at Lakewood one of the speakers emphasized the value of sets of periodicals to a scientific library, and referred in approval to the policy of this library of spending half the available funds for such sets. In this connection a determination of the use made of these sets by our readers would appear to be of interest. An examination of the call-slips for books from the stacks showed that 23 per cent. of them were for volumes of serials. This would make the recorded use of the library, in round numbers, 7,200 unbound serials, 3,500 bound serials, and 11,900 individual works. The percentage of serials therefore would be about 45. The percentage of the total use would be less, but not materially, for if the books in the Reading Room are almost exclusively individual works, those consulted by readers in the stacks are nearly

as exclusively sets of periodicals. Apart from the question of the quality of the reading, and there can be no doubt but that in scientific literature the advantage is greatly with the periodical form, the quantity justifies the policy of the library.

For a second time the work of cataloguing the accessions has been so interrupted by changes in the staff, and especially this year by the delay in filling the position of Assistant Cataloguer, that no attempt could be made to begin the publications planned, though the need of them has been felt. The Third Annual Report, a pamphlet of twenty-nine pages, was prepared and printed in reasonable season. The larger part of an edition of 4,000 copies was distributed in April. The distribution of seven copies of the catalogue cards has been continued, and they appear to be appreciated by the libraries receiving them.

Considerable time has been given to the preparation of material for a union list of periodicals in the public libraries of Chicago and Evanston. The compilation of such a list was undertaken by the Chicago Library Club, and seventeen libraries were asked to contribute. Fifteen have done so. The material has been consolidated by members of the Club, and is now deposited with the John Crerar Library awaiting final revision and arrangements for publication. Even in its present inconvenient form, it has been of great value to this library and has clearly established its broader usefulness and the great desirability of its early publication.

The selection of books to be purchased has gone forward on the lines laid down by the Board, and therefore without material change, though rather more attention has been given to Industrial Art, as suggested by the President in his last report. Of the original appropriation but little remains except for Education and Engineering, and most of the first selection has been made in these subjects. Because of the backwardness of the cataloguing no orders were given from August to the end of November, except for such books as were wanted immediately. The titles selected for purchase have accumulated, therefore, until they amount to some 6,000.

For the selection of many of the titles on Education the library is indebted to the kindness of Dr. G. F. James, secretary

of the Educational Commission of the city, who secured the services of some of his colleagues in addition to giving his own. It is pleasant to have his testimony that the library has paid in part its debt by the assistance it has furnished the Commission.

During the year, 4,845 orders have been given. Of these 101 failed or were canceled, leaving 4,744 valid orders, covering 8,289 volumes at an estimated cost of \$19,589.49. Of outstanding orders 5,304 have been filled, covering 11,238 volumes at a cost of \$24,765.51, leaving outstanding 975 orders, covering 3,316 volumes at an estimated cost of \$10,492.74. The classification of the orders of the year and of the total to date, as well as of the estimated cost of each, is given in the second table of library statistics.

The total accessions for 1898 have been 14,063, of which 2,825 have been received by gift, and 11,238 obtained by purchase. Volumes made by binding periodicals are included in these figures. There have been withdrawn 143 volumes, leaving the net accessions for the year 13,920, making, with the 29,141 reported for 1897, a total number now on the books of 43,061. The classification of the accessions of the year and of the total now in the library is shown in the second table of library statistics. It will be seen that the growth of the library is fairly symmetrical, the percentage in each department being as follows:

DEPARTMENT	1896	1897	1898	TOTAL
General Works	32	18	17	21
Social Sciences	29	16	29	24
Physical Sciences	14	19	17	17
Natural Sciences	14	18	11	15
Applied Sciences	11	29	26	23

Three of the purchases deserve special mention. One is the collection of ornithological works obtained of the Newberry Library. There were three hundred volumes in the collection, for which we paid \$4,500. It included a fine copy of Audubon's *Birds of America*, elephant folio edition; several volumes of Gould's monographs; Selby's *Illustrations of British Ornithology*; and other costly works. The second notable purchase is a copy of Humboldt and Bonpland's *Voyage aux régions équinoxiales du nouveau continent*, in twenty-nine volumes, quarto and folio. The third was made at the sale of the Boncompagni

library in Rome. Three cases have been received already, and more are hoped for, as the sale is not yet completed. The works obtained will greatly strengthen the department of Physical Sciences, especially in the subject of Mathematics.

While practically all purchases, including the remainder of the Newberry books not duplicates, have been entered on the books, there remain to be entered two or three hundred government documents, a large number of incomplete serials from the Western Society of Engineers, and several cases of municipal documents. These last have been obtained in Boston, New York, Philadelphia, Baltimore, Washington, and Indianapolis by Mr. George E. Hooker. Only those who know by experience the difficulty of obtaining these documents except as they are issued can appreciate the benefit to the library of Mr. Hooker's services.

A comparison of the 2,825 accessions by gift with the 1,697 so reported last year hardly furnishes a fair measure of the growth of interest in the library. The list of donors appended to the report contains twice as many names as last year and records the receipt of nearly three times as many pieces. Many of these are annual reports or other serial publications which will not be bound or entered until enough have come to make a volume of convenient size, so that the number received bears no relation to the number of accessions.

Of the more considerable gifts, the largest is from the United States government. As a designated depositary the library receives all current Congressional documents, but it owes to the good offices of the Superintendent of Documents a large collection of older documents, and has received from him and other officials many important bureau publications. The next most considerable gift was from the Western Society of Engineers. In addition to their files of unbound periodicals, the Society sent all its duplicates, so that three or four hundred volumes have been put on the shelves, and a large number of incomplete periodicals await completion. Other considerable and very welcome gifts are a set of the *Revue des deux mondes*, from the library of the late Eugène Borda, through his daughter, Mrs. N. P. Bigelow of Chicago, a collection of publications on the resources of Mexico from the government of that country; sets of their pub-

lications from Columbia University, Lafayette College, McGill University, University of Cincinnati, and University of Illinois; a set of *Notes and Queries* from Mr. George A. Armour; and a set of his reports on bridges from Mr. George S. Morison.

During the year 840 volumes have been placed on the shelves in the Reading Room, making the total now there 2,215. Five volumes are reported missing from these shelves, a loss which, though greater than last year, may be regarded as inconsiderable in comparison with the great use made of these books and the advantages of free access to the best books in the library. More annoying losses have occurred among the unbound periodicals, but a few weeks of increased watchfulness on the part of the assistants practically put an end to them. The comparison of all the books with the shelf list shows that eleven volumes, including the five in the Reading Room, have been misplaced or removed during the year. On the other hand, six of the ten volumes so reported last year were found this year, so that the net loss for two years has been only fifteen, or three-hundredths of one per cent. of the total number in the library at the end of the year. If the four volumes missing in 1897 are not found at the end of 1899 they will be considered irrecoverable, and withdrawn from the records, though this may prove to be a premature assumption, for an English library recently reported the return of a volume which had been missing for forty-five years.

The number of periodicals and serials received is now 1,506, and their estimated annual cost \$4,303.87. Their classification is shown in the second table of library statistics. One hundred and eighty-six are received by gift, including 47 from the Western Society of Engineers. A number of these were previously subscribed for by the library, and the saving thus made, together with that arising from serials ceasing publication, will allow additions to be made which will be required by the probable extension of the coöperative analysis of serials.

During the year 5,531 volumes have been sent to the binders, and 5,466 received from them, leaving 492 at the bindery on January 1, 1899. The cost of binding was \$6,605, an average of \$1.21 per volume. There have been but two changes in methods of work. One is to have large quantities of cases for thin pamphlets made at one time in standard sizes, thus effecting a

considerable saving at some loss in good looks, but none in workmanship or durability. The other is the employment of an apprentice from the bindery to paste in the book-plates. Here also the saving is considerable. This work is now included in the charge for lettering and repairs, which amounts to \$1,393.60 for 14,000 volumes.

In spite of the interruption to the work of cataloguing already mentioned, there has been almost as much done as last year. The Cataloguer reports that 5,507 titles have been prepared, cards for 5,416 received from the printer, and electrotypes for 5,333 from the electrotypers. The total number of titles prepared to date is 14,608, of titles printed 13,883, of electrotypes 13,635. Many typewritten entries were made, especially on account of incomplete serials, but they have probably now reached a maximum.

In addition to the titles prepared and printed by the library, our catalogue has been enlarged and our collections made more available by the analysis of serials undertaken in coöperation with four other libraries. The plan, mentioned in the last report, was put into operation early in the spring, and though the full year's work will not be finished for some months it is not too soon to report its success. This library has prepared 389 titles, for which it has been allowed \$38.90, and has received 2,645 titles, 13,225 cards, at a net cost of \$65.23. About two-thirds of the titles received will be used, so that the approximate cost of each title is 3.5 cents and three-tenths of the cost of preparation, as against 16 cents and the whole cost of preparation if done individually. These cards are placed as soon as possible in the catalogues exactly as if printed by the library, and 915 titles have been added so far. There are now twenty-one subscribers to the full set, so that the work seems to have secured general approval, and probably will be extended.

The classed subject catalogue contains some 15,300 titles and 23,651 cards, or about 1.5 entries to each title. The distribution of these entries, and therefore the best indication of the available resources in each subject, is shown in the second table of library statistics. The author catalogue now contains the same 15,300 titles and 22,636 cards, not quite 1.5 entries to each title. Rules for the alphabetical subject catalogue are still

under discussion, though progress has been made in the determination of its relations to the other catalogues. The Cataloguer is now considering the methods of work to be adopted, and it is hoped to begin actual preparation soon.

With the desire of making the books as available as possible, the library intends to subscribe to all card bibliographies on scientific subjects, and receives at present indexes to zoölogy, agriculture, American botanical literature, names of new botanical genera and species, mathematics and photography. A very comprehensive extension of the system has been proposed by the Royal Society of London. This is nothing less than the prompt issue of printed cards giving the title and subject of all original contributions to the physical and natural sciences. It is estimated that the titles will amount to some 40,000 annually, and that to properly index them 160,000 cards will be required. The subscription is placed at £50 per annum, and the cost of arrangement and storage would be more than as much more. If carried out, the question of subscription on the part of this library will require consideration, but even as a proposition it is interesting as an extreme development of the card system. Even should the card form be found impracticable, the material will be issued in books, and it would be mortifying if this country did not do its share and American scientific work were not represented adequately. To secure this the Smithsonian Institution will undertake the compilation if the means are furnished, and I respectfully suggest to the Board the desirability of their joining with other libraries interested in urging upon Congress the necessary action.

The library has been officially represented by the Librarian and unofficially by the Cataloguer and two other members of the staff at the annual conference of the American Library Association at Lakewood, N. Y., July 5th to 8th, and unofficially by several members of the staff, including the Librarian and Assistant Librarian, at the Interstate Library Conference at Evanston, February 21st and 22d.

The Librarian has also taken advantage of a recent visit East to consult with librarians there as to details of the coöperative analysis of serials and to examine the new Princeton University Library and the Congressional Library. His visits were partly

also to obtain information as to the best plans for a proper representation of American libraries at the Paris Exposition in 1900, a matter which probably will be brought before the Board later in the year.

The changes in the staff have been numerous. Miss Giles and Miss Shuey, senior assistants, and Miss Furness, junior assistant, have left the service, and there has been a succession of changes among the pages. The oldest of them, Frederick Martin, who had been in the library from the beginning, volunteered for and served in the war with Spain, and another enlisted in the regular army at the same time. One new position, that of Assistant Cataloguer, has been made by the Board, and has been filled by the selection of Miss Mary E. Hawley, at the time revising cataloguer in the New York State Library. Miss Foye and Mrs. Kelley, junior assistants, have been made senior assistants; Miss Eleanor Roper has been appointed a senior assistant, and Miss Gertrude Forstall a junior assistant.

To the staff, as a whole and individually, the Librarian acknowledges his indebtedness for earnest and faithful work, which has accomplished much in spite of serious obstacles.

Respectfully submitted,

CLEMENT W. ANDREWS,

Chicago, January 19, 1899.

Librarian.

LIBRARY STATISTICS: I.

RECORD OF ATTENDANCE AND USE FOR 1898.

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total	9 Mos.	Is. per Cr.
	1898.	1898.	1898.	1898.	1898.	1898.	1898.	1898.	1898.	1898.	1898.	1898.	1898.	1898.	1898.
Visitors	2486	2546	2812	2479	2052	2533	2224	2564	2498	2529	2870	2923	30516	18584	---
Daily Average	69	106	104	95	79	97	89	95	96	101	115	112	99	80	24
Books Drawn from Stack	1344	1267	1470	1310	1085	1056	882	1033	1246	1278	1676	1690	15367	6995	---
Daily Average	54	53	54	52	42	41	35	38	48	51	67	65	50	30	67
Periodicals Drawn from Alcove	679	475	631	474	519	499	548	702	569	665	749	703	7213	3864	---
Daily Average	27	20	23	18	20	19	22	26	22	27	30	27	23	17	35
Visitors Admitted to Stack	62	51	61	41	51	32	76	42	37	47	77	79	656	359	37

Smallest attendance, 28 on May 30th.  
Largest attendance, 172 on December 3d.

## LIBRARY STATISTICS: II.

22

Subjects	1898			1898			1898			1898			1898		
	ORDERS			ACCESSIONS			CATALOGUE			PERIODICALS			RECORDED USE		
	Vol.	Est. Cost	Vol.	No.	Total	No.	Cost	Total	No.	Cost	Total	No.	Books	Periodicals	Stack
III.— <b>PHYSICAL SCIENCES:</b>															
50 General Works	771	\$361.35	1,566	\$3,838.11	273	1,882	219	15	\$56.88	108	16	8			
51 Mathematics	1,083	47	1,320	3,509.03	414	1,009	434	28	90.34	468	7	15			
52 Astronomy	294	05	1,002	2,925.84	615	1,303	484	36	78.05	225	16	5			
53 Physics	1,049	04	1,680	3,404.29	547	1,556	1,263	50	107.51	1,382	230	37			
54 Chemistry and Mineralogy	841	31	1,723	4,623.43	583	1,542	780	32	158.36	522	94	44			
	1,813	\$3,629.22	7,891	\$18,360.70	2,432	7,292	3,177	161	\$551.14	2,795	363	109			
IV.— <b>NATURAL SCIENCES:</b>															
55 Geology	281	\$615.16	1,597	\$3,097.98	334	1,538	1,012	42	\$80.75	357	10	29			
56 Palaeontology	120	66	104	511.47	30	94	225	5	44.47	13	2	3			
57 Biology and Natural Sciences in General	24														
	199	1,041.79	2,234	7,459.88	384	2,249	1,124	97	268.95	424	71	50			
58 Botany	161	879.27	866	3,588.56	266	811	625	47	244.36	341	10	21			
59 Zoology	487	5,585.52	1,865	11,535.99	547	1,598	1,622	58	451.65	487	55	64			
	1,152	\$8,242.40	6,669	\$26,184.88	1,561	6,290	4,608	249	\$1,090.18	1,622	148	167			
V.— <b>APPLIED SCIENCES:</b>															
60, 70 General Works	321	\$639.59	2,332	\$4,024.16	907	2,203	285	57	\$185.88	381	686	52			
61 Hygiene	91	1,168.34	356	684.39	175	448	548	23	71.22	404	66	11			
62 Engineering	922	1,413.51	3,256	6,952.48	1,079	3,094	1,550	121	331.33	2,048	1,150	66			
63 Agriculture	160	189.42	1,270	1,972.61	297	1,273	510	33	31.44	450	20	2			
64 Domestic Economy	20	15.05	120	1,061.12	31	125	141	4	2.80	77	36	4			
65 Trade and Transportation	207	375.97	623	1,296.19	333	673	466	30	74.15	525	249	1			
66 Chemical Technology	127	129.24	925	2,188.79	222	877	648	39	107.59	632	93	83			
67, 68 Manufactures and Trades	179	197.79	630	994.77	300	650	477	37	51.92	333	124	—			
69 Building	49	1,533.62	426	869.11	88	373	343	15	23.29	354	57	—			
70 Landscape Gardening	54	56.84	87	98.50	54	86	80	10	—	10	—	—			
72 Architecture	14	78.93	45	227.71	38	74	125	16	75.12	156	120	1			
73, 74 Drawing, Design, etc.	39	76.88	103	263.32	43	130	250	2	11.82	159	6	—			
77 Photography	87	85.85	153	195.45	121	170	131	22	37.25	320	377	—			
	2,270	\$3,531.03	10,246	\$18,973.60	1,3588	10,76	5,554	—	\$1,003.81	6,040	2,984	220			
	8,289	\$19,589.49	40,235	\$91,324.04	13,920	43,061	23,651	1,5367	\$4,393.87	15,367	7,213	656			
Total.															

\* 1898 by gift.

## LIST OF DONORS.

	Volumes or Pamphlets.
Academy of Science of St. Louis, <i>St. Louis, Mo.</i>	1
Ætna Powder Co., <i>Chicago, Ill.</i>	1
Aguilar y Santillán, <i>Prof. Rafael, City of Mexico, Mexico.</i>	1
Aguilar Free Library Society, <i>New York, N. Y.</i>	8
Allan, John, & Co., <i>London, Eng.</i>	1
American Institute of Architects, Illinois Chapter, <i>Chicago, Ill.</i>	80
American Institute of Mining Engineers, <i>New York, N. Y.</i>	2
American Metrological Society, <i>New York, N. Y.</i>	1
American Signal Co., <i>Baltimore, Md.</i>	1
American Society of Mechanical Engineers, <i>New York, N. Y.</i>	1
American Street-Railway Association, <i>Chicago, Ill.</i>	16
Andover Theological Seminary, <i>Andover, Mass.</i>	1
Andrews, Clement W., <i>Chicago, Ill.</i>	15
Armour, George A., <i>Chicago, Ill.</i>	75
Association Parisienne des Propriétaires d'Appareils à Vapeur, <i>Paris, France.</i>	6
Augustana College and Theological Seminary, <i>Rock Island, Ill.</i>	1
Austin, F. C., Manufacturing Co., <i>Harvey, Ill.</i>	3
Baker, Ethel, <i>Chicago, Ill.</i>	6
Baldwin, Charles F., <i>Chicago, Ill.</i>	1
Baltimore, <i>Md. City of.</i>	2
Baltimore and Ohio Railroad Co., Relief Department, <i>Baltimore, Md.</i>	2
Bancroft Co., <i>New York, N. Y.</i>	1
Barnard, <i>Prof. E. E., Williams Bay, Wis.</i>	5
Barr, L. J., <i>Chicago, Ill.</i>	1
Barrett, Francis T., <i>Glasgow, Scotland</i>	1
Bates, Lindon W., <i>Chicago, Ill.</i>	1
Battle Creek Machinery Co., <i>Battle Creek, Mich.</i>	1
Battle Creek Steam Pump Co., <i>Battle Creek, Mich.</i>	1
Bay, <i>Dr. J. Christian, Des Moines, Ia.</i>	51
Belmont Iron Works, <i>Philadelphia, Pa.</i>	1
Ben Franklin Co., <i>Chicago, Ill.</i>	1
Benjamin, O. P., Manufacturing Co., <i>La Fayette, Ind.</i>	3
Berlin Iron Bridge Co., <i>East Berlin, Conn.</i>	1
Bethlehem Iron Co., <i>South Bethlehem, Pa.</i>	5
Biagi, <i>Prof. Guido, Florence, Italy.</i>	1
Biblioteca Comunale di Verona, <i>Verona, Italy.</i>	3
Bibliotheca Regia Parmensis, <i>Parma, Italy.</i>	1
Bibliothèque Publique de Genève, <i>Geneva, Switzerland</i>	1
Bignall & Keeler Manufacturing Co, <i>Edwardsville, Ill.</i>	1

## LIST OF DONORS.

25

	Volumes or Pamphlets.
Biological Society of Washington, <i>Washington, D. C.</i>	1
Blue Hill Meteorological Observatory, <i>Hyde Park, Mass.</i>	28
Bodine & Co., <i>Chicago, Ill.</i>	3
Boecklen, Carl, <i>Chicago, Ill.</i>	15
Bolton, Dr. H. Carrington, <i>Washington, D. C.</i>	3
Booth Brothers & Hurricane Isle Granite Co., <i>New York, N. Y.</i>	1
Borda, Eugène, by Mrs. Nelson P. Bigelow, <i>Chicago, Ill.</i>	282
Boston, <i>Mass., City of.</i>	19
Boston Book Co., <i>Boston, Mass.</i>	3
Boston Children's Aid Society, <i>Boston, Mass.</i>	1
Boston, Department of Municipal Statistics, <i>Boston, Mass.</i>	5
Boston Metropolitan Park Commissioners, <i>Boston, Mass.</i>	1
Boston Museum of Fine Arts, <i>Boston, Mass.</i>	1
Boston Public Library, <i>Boston, Mass.</i>	4
Boston Transit Commission, <i>Boston, Mass.</i>	1
Bourns, Rev. J. H., <i>Chicago, Ill.</i>	1
Boutell, Hon. Henry Sherman, <i>Chicago, Ill.</i>	1
Bowdoin College Library, <i>Brunswick, Me.</i>	2
Bradley Pulverizer Co., <i>Boston, Mass.</i>	1
Brewster, Edward L., & Co., <i>Chicago, Ill.</i>	6
Brigham, Dr. Edwin H., <i>Boston, Mass.</i>	1
Brill, J. G., Co. <i>Philadelphia, Pa.</i>	10
Brooklyn Institute of Arts and Sciences, <i>Brooklyn, N. Y.</i>	7
Brooklyn Mercantile Library Association, <i>Brooklyn, N. Y.</i>	13
Brown, Charles A., <i>Chicago, Ill.</i>	1
Brown & Sharpe Manufacturing Co., <i>Providence, R. I.</i>	6
Bryson Library, Teachers' College, <i>New York, N. Y.</i>	1
Buffalo, <i>N. Y., City of.</i>	2
Buffalo, Department of Health, <i>Buffalo, N. Y.</i>	1
Buffalo Public Library, <i>Buffalo, N. Y.</i>	7
Burchard, Edward L., <i>Chicago, Ill.</i>	2
Burnham, S. W., <i>Chicago, Ill.</i>	2
Burrows Brothers Co., <i>Cleveland, O.</i>	1
Butte Free Public Library, <i>Butte, Mont.</i>	1
California Academy of Sciences, <i>San Francisco, Cal.</i>	4
California State Library, <i>Sacramento, Cal.</i>	1
California Wire Works, <i>San Francisco, Cal.</i>	2
Calkins, William Wirt, <i>Chicago, Ill.</i>	6
Cambria Iron Co., <i>Philadelphia, Pa.</i>	3
Cambria Public Library, <i>Cambria, Mass.</i>	3
Canada, Commissioner of Patents, <i>Ottawa, Can.</i>	1
Canada, Geological Survey Department, <i>Ottawa, Can.</i>	4
Carnegie Free Library, <i>Allegheny, Pa.</i>	1
Carnegie Library, <i>Homestead, Pa.</i>	1
Carson Trench Machine Co., <i>Charleston, Mass.</i>	3
Cerulli, V., <i>Teramo, Italy.</i>	1
Chanute, Octave, <i>Chicago, Ill.</i>	1
Chase, Walter G., <i>Boston, Mass.</i>	2

## LIST OF DONORS.

	Volumes or Pamphlets.
Charity Organisation Society, <i>Hartford, Conn.</i>	1
Cheney Bigelow Wire Works, <i>Springfield, Mass.</i>	1
Chicago, <i>Ill., City of.</i>	5
Chicago Academy of Sciences, <i>Chicago, Ill.</i>	3
Chicago and Alton Railroad Company, <i>Chicago, Ill.</i>	1
Chicago Board of Education, <i>Chicago, Ill.</i>	25
Chicago Board of Trade, <i>Chicago, Ill.</i>	1
Chicago Commons, <i>Chicago, Ill.</i>	1
Chicago, Department of Health, <i>Chicago, Ill.</i>	2
Chicago Literary Club, <i>Chicago, Ill.</i>	6
Chicago Lying-in Hospital Dispensary, <i>Chicago, Ill.</i>	2
Chicago Public Library, <i>Chicago, Ill.</i>	2
Chisholm & Moore Manufacturing Co., <i>Cleveland, O.</i>	1
Cincinnati Hospital, <i>Cincinnati, O.</i>	1
Citizens' Association of Chicago, <i>Chicago, Ill.</i>	49
Civic Federation of Chicago, <i>Chicago, Ill.</i>	15
Clayton Air Compressor Works, <i>New York, N. Y.</i>	1
Climax Road Machine Co., <i>Marathon, N. Y.</i>	2
Cobden Club, <i>London, Eng.</i>	4
Cole, George Watson, <i>New York, N. Y.</i>	1
College of William and Mary, <i>Williamsburg, Va.</i>	7
Colliery Engineer Co., <i>Scranton, Pa.</i>	2
Colorado State Agricultural College, <i>Fort Collins, Col.</i>	28
Columbia University, <i>New York, N. Y.</i>	58
Columbus Machine Co., <i>Columbus, O.</i>	4
Commercial Club of Topeka, <i>Topeka, Kan.</i>	1
Commercial Wood & Cement Co., <i>New York, N. Y.</i>	1
Commissioner-General for the United States to the Paris Exposition of 1900, <i>Chicago, Ill.</i>	2
Connecticut Agricultural Experiment Station, <i>New Haven, Conn.</i>	8
Constable Brothers, <i>New York, N. Y.</i>	3
Contractors' Plant Manufacturing Co., <i>Buffalo, N. Y.</i>	1
Contractors' Tool Co., <i>Philadelphia, Pa.</i>	1
Coplay Cement Co., <i>Allenstown, Pa.</i>	1
Cornell College, <i>Mount Vernon, Ia.</i>	1
Cornell University, Agricultural Experiment Station, <i>Ithaca, N. Y.</i>	5
Coulter, Prof. John M., <i>Chicago, Ill.</i>	1
Cox, Hon. William R., <i>Washington, D. C.</i>	8
Coxe Iron Manufacturing Co., <i>New York, N. Y.</i>	1
"Cuba," <i>New York, N. Y.</i>	1
Dartmouth College, <i>Hanover, N. H.</i>	2
Dayton Public Library and Museum, <i>Dayton, O.</i>	2
DeLand, Fred, <i>Chicago, Ill.</i>	3
Del Mar, Alexander, <i>New York, N. Y.</i>	1
Detroit, Mich., <i>City of.</i>	1
Detroit Public Library, <i>Detroit, Mich.</i>	1
Diesel Motor Co., <i>New York, N. Y.</i>	4
Diplomatic Review, <i>London, Eng.</i>	114
Dolgeville Herald, <i>Dolgeville, N. Y.</i>	2
Donnelley, Thomas E., <i>Chicago, Ill.</i>	1

## LIST OF DONORS.

27

	Volumes or Pamphlets.
Dunn Manufacturing Co., <i>Pittsburg, Pa.</i>	1
Eastman Kodak Co., <i>Rochester, N. Y.</i>	3
Eau Claire Public Library, <i>Eau Claire, Wis.</i>	1
Edward P. Allis Co., <i>Milwaukee, Wis.</i>	3
Edwards, B., & Co., <i>Chicago, Ill.</i>	1
Elgin, Joliet and Eastern Railroad Co., <i>New York, N. Y.</i>	1
Eliot, Mrs. Samuel, <i>Boston, Mass.</i>	5
Enoch Pratt Free Library, <i>Baltimore, Md.</i>	12
Evanston Free Public Library, <i>Evanston, Ill.</i>	1
Eyssenhardt, Prof. Dr. F., <i>Hamburg, Germany</i>	11
Felsenthal, Edwin I., <i>Chicago, Ill.</i>	3
Fewkes, J. Walter, <i>Washington, D. C.</i>	4
Financial Reform Association, <i>Liverpool, Eng.</i>	4
Finlayson, Dr. James, <i>Glasgow, Scotland</i>	1
Flanagan, A., <i>Chicago, Ill.</i>	1
Fletcher, Dr. Robert, <i>Washington, D. C.</i>	1
Fletcher Free Library, <i>Burlington, Vt.</i>	1
Fletcher, Russell & Co., <i>Warrington, Eng.</i>	1
Fock, Gustav, <i>Leipzig, Germany</i>	1
Forbes Library, <i>Northampton, Mass.</i>	2
Foster, Prof. Michael, <i>London, Eng.</i>	1
Foster Pump Works, <i>Brooklyn, N. Y.</i>	2
Francisco, M. J., & Son, <i>Rutland, Vt.</i>	3
Franklin Institute, <i>Philadelphia, Pa.</i>	17
Fraser & Chalmers, <i>Chicago, Ill.</i>	8
Free Library of Philadelphia, <i>Philadelphia, Pa.</i>	2
Freiherrlich Carl von Rothschild'sche Oeffentliche Bibliothek, <i>Frankfort-on-the-Main, Germany</i>	4
Frost & Adams Co., <i>Boston, Mass.</i>	1
Furness, William Eliot, <i>Chicago, Ill.</i>	167
Gallinger, Hon. Jacob H., <i>Washington, D. C.</i>	1
Galloway, Dr. D. H., <i>Chicago, Ill.</i>	1
Garrett Biblical Institute, <i>Evanston, Ill.</i>	1
Gates Iron Works, <i>Chicago, Ill.</i>	2
Gavit, John P., <i>Chicago, Ill.</i>	1
General Electric Co., <i>Newark, N. J.</i>	1
Gibson, Charles B., <i>Chicago, Ill.</i>	1
Girard College, <i>Philadelphia, Pa.</i>	1
Goding, Marshal R., <i>Portland, Me.</i>	1
Goheen Manufacturing Co., <i>Canton, O.</i>	6
Goldman, Henry, <i>Chicago, Ill.</i>	1
Goldmark, Henry, <i>Detroit, Mich.</i>	1
Gookin, Frederick W., <i>Chicago, Ill.</i>	173
Gordon, Charles U., <i>Chicago, Ill.</i>	2
Greeley, Samuel S., <i>Chicago, Ill.</i>	5
Groton Public Library, <i>Groton, Mass.</i>	1
Guild & Lord, <i>Boston, Mass.</i>	1
Gurley, W. & L. E., <i>Troy, N. Y.</i>	1
Hale, Dr. Edwin M., <i>Chicago, Ill.</i>	13
Hamilton Public Library, <i>Hamilton, Can.</i>	1

## LIST OF DONORS.

	Volumes or Pamphlets.
Hampton Normal and Agricultural Institute, <i>Hampton, Va.</i> .....	1
Harlan, <i>Hon. John M., Chicago, Ill.</i> .....	2
Hartford Public Library, <i>Hartford, Conn.</i> .....	1
Hartford Theological Seminary, <i>Hartford, Conn.</i> .....	1
Harvard University, <i>Cambridge, Mass.</i> .....	11
Harvard University, Astronomical Observatory, <i>Cambridge, Mass.</i> .....	1
Hawley, <i>Mary E., Chicago, Ill.</i> .....	1
Hazlitt, <i>George K., &amp; Co., Chicago, Ill.</i> .....	1
Healy, <i>Daniel D., Chicago, Ill.</i> .....	1
Heer, <i>Peter, Chicago, Ill.</i> .....	1
Helena Public Library, <i>Helena, Mont.</i> .....	3
Henderson, <i>Hon. David B., Washington, D. C.</i> .....	1
Hersey Manufacturing Co., <i>South Boston, Mass.</i> .....	1
Hill, <i>Clarke &amp; Co., Chicago, Ill.</i> .....	2
Holmes, <i>Dr. Bayard, Chicago, Ill.</i> .....	1
Hopkins, <i>Anderson H., Evanston, Ill.</i> .....	13
Howe, <i>William F., Chicago, Ill.</i> .....	1
Hucke, <i>Julius, Berlin, Germany</i> .....	1
Huntington, <i>Harwood, New York, N. Y.</i> .....	1
Illinois Bureau of Labor Statistics, <i>Springfield, Ill.</i> .....	6
Illinois Central Railroad, <i>Chicago, Ill.</i> .....	1
Illinois Geological Survey, <i>Springfield, Ill.</i> .....	1
Illinois Humane Society, <i>Chicago, Ill.</i> .....	1
Illinois Secretary of State, <i>Springfield, Ill.</i> .....	4
Illinois Society of Engineers and Surveyors, <i>Peoria, Ill.</i> .....	12
Illinois State Board of Health, <i>Springfield, Ill.</i> .....	13
Illinois State Laboratory of Natural History, <i>Urbana, Ill.</i> .....	7
Illinois State Entomologist, <i>Springfield, Ill.</i> .....	1
Illinois State Reformatory, <i>Pontiac, Ill.</i> .....	2
Illinois State Teachers' Association, <i>Galesburg, Ill.</i> .....	1
Illinois Steel Co., <i>Chicago, Ill.</i> .....	16
Imperial Library of Japan, <i>Tokyo, Japan</i> .....	2
Indian & Eastern Engineer Co., <i>Calcutta, India</i> .....	1
Ingersoll Milling Machine Co., <i>Rockford, Ill.</i> .....	10
Ingersoll-Sergeant Drill Co., <i>New York, N. Y.</i> .....	4
Institution of Civil Engineers, <i>London, Eng.</i> .....	13
Iowa Academy of Sciences, <i>Des Moines, Ia.</i> .....	1
Iowa Geological Survey, <i>Des Moines, Ia.</i> .....	1
Iowa Masonic Library, <i>Cedar Rapids, Ia.</i> .....	1
Iowa State Library, <i>Des Moines, Ia.</i> .....	2
Iowa State University, <i>Des Moines, Ia.</i> .....	1
James Blackstone Memorial Library, <i>Branford, Conn.</i> .....	1
Jersey City Free Public Library, <i>Jersey City, N. J.</i> .....	6
John F. Slater Fund Trustees, <i>Washington, D. C.</i> .....	1
Johnson & Wilson, <i>New York, N. Y.</i> .....	1
Johnson Electric Service Co., <i>Milwaukee, Wis.</i> .....	1
Johnson Temperature Regulating Co., <i>New York, N. Y.</i> .....	1
Jones, Arthur B., <i>Chicago, Ill.</i> .....	4
Joseph Dixon Crucible Co., <i>Jersey City, N. J.</i> .....	3
Josephson, Aksel G. S., <i>Chicago, Ill.</i> .....	17

## LIST OF DONORS.

29

	Volumes or Pamphlets.
Kaiserliche Leopoldinisch-Carolinische Deutsche Akademie der Naturforscher, <i>Halle, Germany</i> .....	2
Kansas University, <i>Lawrence, Kan.</i> .....	2
Kelley Island Lime & Transport Co., <i>Cleveland, O.</i> .....	2
Kellogg, Aaron W., <i>Pontiac, Ill.</i> .....	1
Kellogg, E. L., & Co., <i>New York, N. Y.</i> .....	1
Kerntler, Francis, <i>Budapest, Hungary</i> .....	1
Kongelige Norske Frederiks Universitet, <i>Christiania, Norway</i> .....	3
Kongliga Karolinska Universitetet, <i>Lund, Sweden</i> .....	1
Kongliga Universitets-Biblioteket i Upsala, <i>Upsala, Sweden</i> .....	29
Königliche Albertus-Universität, <i>Königsberg, Germany</i> .....	1
Königliche Universitäts Bibliothek, <i>Kiel, Germany</i> .....	1
Koninklijke Akademie van Wetenschappen te Amsterdam, <i>Amster- dam, Netherlands</i> .....	9
Lafayette College, <i>Easton, Pa.</i> .....	101
Lake Forest University, <i>Lake Forest, Ill.</i> .....	1
Lands Plantentuin, <i>Buitenzorg, Java</i> .....	4
Langton, H. H., <i>Toronto, Can.</i> .....	1
Latham, Alexander & Co., <i>New York, N. Y.</i> .....	2
Law Club of Chicago, <i>Chicago, Ill.</i> .....	2
Lawrence Free Public Library, <i>Lawrence, Mass.</i> .....	4
LeBaron, Frances, <i>Elgin, Ill.</i> .....	4
Leffel, James & Co., <i>Springfield, O.</i> .....	5
Lehigh University, <i>South Bethlehem, Pa.</i> .....	3
Leipziger, Dr. Henry M., <i>New York, N. Y.</i> .....	1
Leland Stanford Junior University, <i>Palo Alto, Cal.</i> .....	3
Lemcke & Buechner, <i>New York, N. Y.</i> .....	7
Lewis, James F., <i>Chicago, Ill.</i> .....	4
Libbie, F., & Co., <i>Boston, Mass.</i> .....	1
Library Association of Portland, <i>Portland, Ore.</i> .....	12
Library Company of Philadelphia, <i>Philadelphia, Pa.</i> .....	1
Lick Observatory, <i>Hamilton, Cal.</i> .....	1
Lidgerwood Manufacturing Co., <i>New York, N. Y.</i> .....	2
Lietz, A., Co., <i>San Francisco, Cal.</i> .....	1
Lincoln, Hon. Robert T., <i>Chicago, Ill.</i> .....	7
Lincoln Iron Works, <i>Rutland, Vt.</i> .....	6
Liverpool Committee of the Public Libraries, Museums and Art Gallery, <i>Liverpool, Eng.</i> .....	1
Long Island Historical Society, <i>Brooklyn, N. Y.</i> .....	2
Longmans, Green & Co., <i>New York, N. Y.</i> .....	1
Loomis, George P., <i>Chicago, Ill.</i> .....	1
Louisville and Nashville Railroad Company, <i>Chicago, Ill.</i> .....	11
Lowder, Fred W., <i>Chicago, Ill.</i> .....	2
Lowdermilk, W. H., & Co., <i>Washington, D. C.</i> .....	1
Lowell, Mrs. Charles Russell, <i>New York, N. Y.</i> .....	1
Lowell City Library, <i>Lowell, Mass.</i> .....	4
Lunkenheimer Co., <i>Cincinnati, O.</i> .....	1
Lynn Public Library, <i>Lynn, Mass.</i> .....	1
McCormick, Mrs. Leander J., <i>Chicago, Ill.</i> .....	1
McGill University Library, <i>Montreal, Can.</i> .....	21

## LIST OF DONORS.

	Volumes or Pamphlets.
MacLean, <i>Chancellor George E., Lincoln, Neb.</i> -----	2
Macmillan Co., <i>New York, N. Y.</i> -----	1
Maguire, <i>Hon. James G., Washington, D. C.</i> -----	1
Mallett, S. S., <i>New York, N. Y.</i> -----	1
Manchester Free Reference Library, <i>Manchester, Eng.</i> -----	1
Manhattan College, <i>New York, N. Y.</i> -----	2
Manning, Maxwell & Moore, <i>Chicago, Ill.</i> -----	5
Marvin Electric Drill Co., <i>Canastota, N. Y.</i> -----	1
Maryland Geological Survey Commission, <i>Baltimore, Md.</i> -----	1
Mason, <i>Hon. William E., Washington, D. C.</i> -----	1
Massachusetts, <i>Commonwealth of</i> -----	84
Massachusetts Agricultural College, <i>Hatch Experiment Station, Amherst, Mass.</i> -----	40
Massachusetts Bureau of Statistics of Labor, <i>Boston, Mass.</i> -----	29
Massachusetts Free Public Library Commission, <i>Boston, Mass.</i> -----	4
Massachusetts Horticultural Society, <i>Boston, Mass.</i> -----	3
Massachusetts Institute of Technology, <i>Boston, Mass.</i> -----	13
Massachusetts State Board of Agriculture, <i>Boston, Mass.</i> -----	2
Massachusetts State Library, <i>Boston, Mass.</i> -----	15
Mauer, Henry, & Son, <i>New York, N. Y.</i> -----	1
Mechanics' Institute, <i>San Francisco, Cal.</i> -----	1
Mercantile Library Company of Philadelphia, <i>Philadelphia, Pa.</i> -----	2
Merchants' Bank of Canada, <i>Montreal, Can.</i> -----	1
Metropolitan Traction Co., <i>New York, N. Y.</i> -----	1
Mexico, Secretaria de Fomento, Colonizacion é Industria, <i>City of Mexico, Mexico</i> -----	48
Michigan, Department of State, <i>Lansing, Mich.</i> -----	6
Michigan Pipe Co., <i>Bay City, Mich.</i> -----	7
Millspaugh, Charles Frederick, <i>Chicago, Ill.</i> -----	1
Milwaukee Public Library, <i>Milwaukee, Wis.</i> -----	2
Missouri Botanical Garden, <i>St. Louis, Mo.</i> -----	1
Monarch Brake Beam Co., <i>Detroit, Mich.</i> -----	1
Monarch Manufacturing Co., <i>Waterbury, Conn.</i> -----	1
Monetary Commission, <i>Indianapolis, Ind.</i> -----	2
Morison, George S., <i>Chicago, Ill.</i> -----	14
Morrell, Charles, <i>Chicago, Ill.</i> -----	3
Morris, Elmer P., <i>New York, N. Y.</i> -----	1
Morse, Andrew J., & Son, <i>Boston, Mass.</i> -----	3
Morse Machine Co., <i>Rochester, N. Y.</i> -----	2
National Academy of Sciences, <i>Washington, D. C.</i> -----	3
National Association of Stationary Engineers, <i>Chicago, Ill.</i> -----	3
National Bottlers' Gazette, <i>New York, N. Y.</i> -----	1
National Civil Service Reform League, <i>New York, N. Y.</i> -----	14
National Educational Association, <i>Washington, D. C.</i> -----	1
National Foundry & Machine Co., <i>Louisville, Ky.</i> -----	1
National Meter Co., <i>New York, N. Y.</i> -----	2
National Web Tile Sewer Co., <i>Syracuse, N. Y.</i> -----	1
New Era Iron Works Co., <i>Dayton, O.</i> -----	1
New Hampshire Board of Library Commissioners, <i>Concord, N. H.</i> -----	1
New Hampshire State Library, <i>Concord, N. H.</i> -----	2

## LIST OF DONORS.

31

	Volumes or Pamphlets.
New Haven Manufacturing Co., <i>New Haven, Conn.</i> -----	1
New Jersey State Geologist, <i>Trenton, N. J.</i> -----	3
New South Wales Government, <i>Sydney, N. S. W.</i> -----	1
New York Mercantile Library Association, <i>New York, N. Y.</i> -----	2
New York, New Haven & Hartford Railroad Co., <i>New Haven, Conn.</i> -----	23
New York Rail Insulation & Equipment Co., <i>Newark, N. J.</i> -----	1
New York Society Library, <i>New York, N. Y.</i> -----	1
New York State Library, <i>Albany, N. Y.</i> -----	30
New York State Museum, <i>Albany, N. Y.</i> -----	3
Newark Free Public Library, <i>Newark, N. J.</i> -----	3
Newberry Library, <i>Chicago, Ill.</i> -----	6
Niles Tool Works Co., <i>Hamilton, O.</i> -----	1
Nitro Powder Co., <i>Kingston, N. Y.</i> -----	1
Northern Pacific Railroad, <i>St. Paul, Minn.</i> -----	1
Northwestern University, <i>Evanston, Ill.</i> -----	3
Oberlin College Library, <i>Oberlin, O.</i> -----	1
Ohio State Library Commission, <i>Columbus, O.</i> -----	18
Olmstead, Dwight H., <i>New York, N. Y.</i> -----	2
Omaha Public Library, <i>Omaha, Neb.</i> -----	3
Ontario Agricultural College and Experiment Farm, <i>Guelph, Can.</i> -----	3
Ontario, Bureau of Mines, <i>Toronto, Can.</i> -----	2
Ontario, Department of Agriculture, <i>Toronto, Can.</i> -----	14
Ontario, Department of Crown Lands, <i>Toronto, Can.</i> -----	1
Ontario, Department of Education, <i>Toronto, Can.</i> -----	1
Page Woven Wire Fence Co., <i>Adrian, Mich.</i> -----	2
Palmer, Mrs. Charles Follen, <i>New York, N. Y.</i> -----	1
Park College, <i>Parkville, Mo.</i> -----	2
Parkman Club, <i>Milwaukee, Wis.</i> -----	1
Peabody Institute, <i>Baltimore, Md.</i> -----	1
Peabody Museum of American Archaeology and Ethnology, <i>Cambridge, Mass.</i> -----	9
Peet, Rev. Stephen D., <i>Chicago, Ill.</i> -----	11
Peirce & Fisher, <i>Chicago, Ill.</i> -----	5
Pelton Water Wheel Co., <i>San Francisco, Cal.</i> -----	1
Peoria Public Library, <i>Peoria, Ill.</i> -----	3
Perkins, B. F., & Son, <i>Holyoke, Mass.</i> -----	1
Perkins, Janet R., <i>Heidelberg, Germany</i> -----	1
Pond, Allen B., <i>Chicago, Ill.</i> -----	1
Pratt & Whitney Co., <i>Chicago, Ill.</i> -----	2
Pratt Institute Free Library, <i>Brooklyn, N. Y.</i> -----	2
Prescott, W. C., <i>Newton Highlands, Mass.</i> -----	1
Providence Athenæum, <i>Providence, R. I.</i> -----	1
Providence Public Library, <i>Providence, R. I.</i> -----	2
Prussia, Minister of Public Works, <i>Berlin, Germany</i> -----	2
Public Ownership Review, <i>Los Angeles, Cal.</i> -----	1
Putnam's, G. P., Sons, <i>New York, N. Y.</i> -----	1
Q & C Co., <i>Chicago, Ill.</i> -----	11
Queen & Co., <i>Philadelphia, Pa.</i> -----	8
Railroad Supply Co., <i>Chicago, Ill.</i> -----	4

## LIST OF DONORS.

	Volumes or Pamphlets.
Ranck, D. H., Publishing Co., <i>Chicago, Ill.</i>	8
Randolph, T. F., <i>Cincinnati, O.</i>	2
Randolph & Clowes, <i>Waterbury, Conn.</i>	3
Reed, F. E., Co., <i>Worcester, Mass.</i>	1
Reynolds Library, <i>Rochester, N. Y.</i>	16
Rich, H. S., & Co., <i>Chicago, Ill.</i>	1
Richards, Charles R., <i>New York, N. Y.</i>	1
Richards, Mrs. R. H., <i>Boston, Mass.</i>	1
Riehlé Brothers Testing Machine Co., <i>Philadelphia, Pa.</i>	1
Rinald Brothers, <i>Philadelphia, Pa.</i>	4
Risdon Iron Works, <i>San Francisco, Cal.</i>	1
Robert Poole & Son Co., <i>Baltimore, Md.</i>	3
Roberts, George J., & Co., <i>Dayton, O.</i>	2
Rochester Academy of Science, <i>Rochester, N. Y.</i>	1
Rockwood Manufacturing Co., <i>Indianapolis, Ind.</i>	1
Rose Polytechnic Institute, <i>Terre Haute, Ind.</i>	1
Royal Danish Consulate, <i>Chicago, Ill.</i>	1
Royal Horticultural Society, <i>London, Eng.</i>	2
Royal Observatory, <i>Edinburgh, Scotland.</i>	8
Royal Scottish Society of Arts, <i>Edinburgh, Scotland.</i>	1
Rumsey & Co., <i>Seneca Falls, N. Y.</i>	3
Russell, H. C., <i>Sydney, Australia</i>	7
St. Giles Public Library, <i>London, Eng.</i>	1
St. Louis Mercantile Library Association, <i>St. Louis, Mo.</i>	2
St. Louis Public (Free) Library, <i>St. Louis, Mo.</i>	1
Salem Public Library, <i>Salem, Mass.</i>	3
Sanders, Frederic W., <i>Chicago, Ill.</i>	1
San Francisco Free Public Library, <i>San Francisco, Cal.</i>	1
Sanitary District of Chicago, <i>Chicago, Ill.</i>	6
Schmalz, John B., <i>Chicago, Ill.</i>	1
Schurz, Hon. Carl, <i>New York, N. Y.</i>	1
Scientific Alliance of New York, <i>New York, N. Y.</i>	1
Scientific Machinist, <i>Cleveland, O.</i>	1
Scranton Public Library, <i>Scranton, Pa.</i>	3
Sellers, William, & Co., <i>Philadelphia, Pa.</i>	6
Shepley, Rutan & Coolidge, <i>Boston, Mass.</i>	1
Shewey, A. C., <i>Chicago, Ill.</i>	2
Siemens & Halske Electric Co., of America, <i>Chicago, Ill.</i>	6
Single Tax Society, <i>Chicago, Ill.</i>	6
Smiley, Albert K., <i>Lake Mohonk, N. Y.</i>	2
Smillie Coupler & Manufacturing Co., <i>Newark, N. J.</i>	3
Smith, Edwin Burritt, <i>Chicago, Ill.</i>	1
Smithsonian Institution, <i>Washington, D. C.</i>	6
Sociedad Cientifica "Antonio Alzate," <i>City of Mexico, Mexico</i>	1
Society of Naval Architects and Marine Engineers, <i>New York, N. Y.</i>	1
Sothenan, Henry, & Co. <i>London, Eng.</i>	1
South End Industrial School, <i>Roxbury, Mass.</i>	1
Southern Railway Company, <i>Washington, D. C.</i>	1
Sprague Electric Co., <i>New York, N. Y.</i>	18

## LIST OF DONORS.

33

Volumes or  
Pamphlets.

Squibb, Dr. Edward S., <i>Brooklyn, N. Y.</i> -----	5
State Historical Society of Wisconsin, <i>Madison, Wis.</i> -----	3
Steel Storage & Elevator Construction Co., <i>Buffalo, N. Y.</i> -----	4
Steward, John F., <i>Chicago, Ill.</i> -----	1
Stilwell-Bierce & Smith-Vaile Co., <i>Dayton, O.</i> -----	5
Stone, Hon. Charles W., <i>Washington, D. C.</i> -----	1
Storey Motor & Tool Co., <i>Trenton, N. J.</i> -----	1
Sweeney, Peter B., <i>New York, N. Y.</i> -----	2
Texas, Department of Agriculture, Insurance, Statistics and History, <i>Austin, Tex.</i> -----	1
Thackeray Incinerating & Fertilizing Co., <i>San Francisco, Cal.</i> -----	1
Toronto City Engineer, <i>Toronto, Can.</i> -----	1
Trans-Mississippi and International Exposition, <i>Omaha, Neb.</i> -----	54
Tulane University, <i>New Orleans, La.</i> -----	2
Union Theological Seminary, <i>New York, N. Y.</i> -----	1
United States Civil Service Commission, <i>Washington, D. C.</i> -----	2
United States Government, <i>Washington, D. C.</i> -----	1420
United States Interstate Commerce Commission, <i>Washington, D. C.</i> -----	10
United States Wind Engine & Pump Co., <i>Batavia, Ill.</i> -----	4
Universitäts-Bibliothek, <i>Leipzig, Germany</i> -----	2
Université Laval, <i>Quebec, Can.</i> -----	1
University of Aberdeen, <i>Aberdeen, Scotland</i> -----	2
University of California, <i>Berkeley, Cal.</i> -----	1
University of California, Agricultural Experiment Station, <i>Berkeley, Cal.</i> -----	10
University of Cambridge, <i>Cambridge, Eng.</i> -----	1
University of Chicago, <i>Chicago, Ill.</i> -----	2
University of Cincinnati, <i>Cincinnati, O.</i> -----	25
University of Illinois, <i>Urbana, Ill.</i> -----	46
University of Illinois, Agricultural Experiment Station, <i>Urbana, Ill.</i> -----	14
University of Michigan, <i>Ann Arbor, Mich.</i> -----	2
University of Nebraska, <i>Lincoln, Neb.</i> -----	1
University of Oregon, <i>Eugene, Ore.</i> -----	1
University of Pennsylvania, <i>Philadelphia, Pa.</i> -----	54
University of Toronto, <i>Toronto, Can.</i> -----	4
University of Wisconsin, <i>Madison, Wis.</i> -----	5
University of Wyoming, <i>Laramie, Wyo.</i> -----	2
University of Wyoming, Agricultural Experiment Station, <i>Laramie, Wyo.</i> -----	1
Unknown-----	8
Vaile & Young, <i>Baltimore, Md.</i> -----	1
Van Choate Electric Co., <i>Boston, Mass.</i> -----	2
Van Nostrand, D., Co., <i>New York, N. Y.</i> -----	1
Vanderbilt University, <i>Nashville, Tenn.</i> -----	1
Vanduzen & Tift Co., <i>Cincinnati, O.</i> -----	2
Volta Bureau, <i>Washington, D. C.</i> -----	40
Walker Co., <i>Chicago, Ill.</i> -----	23
Wanamaker, John, <i>Philadelphia, Pa.</i> -----	1

## LIST OF DONORS.

	Volumes or Pamphlets.
Waterous Engine Works Co., <i>St. Paul, Minn.</i>	4
Watertown Free Public Library, <i>Watertown, Mass.</i>	1
Watkins, F. M., Co., <i>Cincinnati, O.</i>	2
Weber Gas & Gasoline Engine Co., <i>Kansas City, Mo.</i>	1
West Ham Public Libraries, <i>West Ham, Eng.</i>	1
Western Camera Manufacturing Co., <i>Chicago, Ill.</i>	1
Western Electrical Instrument Co., <i>Newark, N. J.</i>	5
Western Foundrymen's Association, <i>Chicago, Ill.</i>	1
Western Railway Club, <i>Chicago, Ill.</i>	2
Western Society of Engineers, <i>Chicago, Ill.</i>	897
Western Wheeled Scraper Co., <i>Aurora, Ill.</i>	6
Westinghouse, Church, Kerr & Co., <i>New York, N. Y.</i>	3
Westinghouse Air Brake Co., <i>Pittsburg, Pa.</i>	2
Westinghouse Electric & Manufacturing Co., <i>Chicago, Ill.</i>	12
Willing Mrs. Henry J., <i>Chicago, Ill.</i>	1
Wilmington Institute, <i>Wilmington, Del.</i>	2
Wilson, Gen. James Grant, <i>New York, N. Y.</i>	1
Winthrop, Robert C., Jr., <i>Boston, Mass.</i>	1
Wire, Dr. George E., <i>Worcester, Mass.</i>	2
Wisconsin Free Library Commission, <i>Madison, Wis.</i>	4
Wolverine Motor Works, <i>Grand Rapids, Mich.</i>	2
Woodbury, C. J. H., <i>Boston, Mass.</i>	28
Woodbury, John P., <i>Boston, Mass.</i>	1
Worcester Free Public Library, <i>Worcester, Mass.</i>	34
Yale University, <i>New Haven, Conn.</i>	1
Yerkes Observatory, <i>Williams Bay, Wis.</i>	4
Young & Sons, <i>Philadelphia, Pa.</i>	1
Young Men's Christian Association, <i>Chicago, Ill.</i>	1
Youngstown Bridge Co., <i>Youngstown, O.</i>	1
 Total.....	 5567

## BY-LAWS.

### MEETINGS.

SECTION 1. The regular meeting of the Board of Directors which shall be held on the third Thursday in January in each year, shall be the annual meeting of the Corporation of The John Crerar Library, at which meeting the officers of the Corporation shall be elected, and such other business transacted as may be properly brought before the meeting.

SECTION 2. Regular meetings of the Board shall be held on the third Thursday of the months of January, April, June and October, in each year, at such time and place as may be fixed by the Board from time to time.

At such meetings, seven members of the Board shall constitute a quorum. In the absence of a quorum at any such meeting, an adjournment to a fixed day may be made by any number present.

SECTION 3. Special meetings of the Board may be held at the request of the President or any two Directors, and the notice of such meeting shall recite such request and the object for which the meeting is called.

SECTION 4. Meetings of the Executive Committee and of the Standing Committees shall be held upon call of their respective Chairmen, upon notice to be determined by each committee; and at the meetings of the Executive Committee three members, and at the meetings of the Standing Committees two members, shall constitute a quorum.

SECTION 5. Notices in writing of all meetings of the Board shall be given by the Secretary to each Director, by mailing the same to his address, not less than ten days before any regular meeting, and not less than two days before any special or adjourned meeting.

## OFFICERS.

SECTION 6. The officers of the Corporation shall be a President, a First Vice-President, a Second Vice-President, and a Secretary, who shall be elected by ballot from the Directors, by a majority of all the Directors, to hold office for one year, and until their successors are elected and qualified.

There shall also be appointed by the Board a Treasurer and a Librarian—either of whom may or may not be a Director—and such other agents or employees from time to time, as may be deemed necessary. All such appointees shall hold their positions, respectively, during the pleasure of the Board.

SECTION 7. Vacancies among the officers or in the Board, or in the position of Treasurer or Librarian, may be filled by the Board at any regular or special meeting, provided notice of the proposed action be contained in the call for such meeting.

Vacancies in the Board shall be filled by election subject to the approval of the Chief Justice, for the time being, of the Supreme Court of Illinois. Whenever any Director shall be elected to fill any vacancy, a certificate under the seal of the Corporation giving the name of the person elected shall be recorded in the office of the Recorder of Deeds, where the articles of incorporation are recorded, as provided in Paragraph 22, Chapter 81, Statutes of Illinois.

SECTION 8. The compensation of Treasurer and Librarian shall be fixed by the Board. The compensation of all other agents and employees shall be fixed by the Committee on Administration, subject to the approval of the Board.

SECTION 9. The following shall be the Standing Committees to be elected by the Board at the annual meeting:

A Committee on Finance,  
A Committee on Administration,  
A Committee on Buildings and Grounds, and  
A Committee on Books,  
each to consist of three members.

There shall also be an Executive Committee, of which the President shall be the Chairman, and which shall consist of the Chairmen of the Standing Committees above named.

SECTION 10. During the absence from Chicago, or other

inability to act, of any Chairman of any Standing Committee, the next member of such Committee in regular order who is available shall act as Chairman and as a member of the Executive Committee; and in case of the absence or disability of any member of a Standing Committee, the President may appoint any member of the Board to serve as a member of such Committee until such absence or disability shall cease.

#### PRESIDENT.

SECTION 11. The President shall be the chief executive officer of the Corporation and preside at all meetings of the Board. He shall execute all documents and assignments or transfers of shares of stock, bonds or notes authorized to be executed by the Board or by the Committee on Finance. He shall be *ex officio* a member of each of the Standing Committees and Chairman of the Executive Committee, and shall have power to enforce all by-laws, regulations, and orders, and to suspend at any time any agent or employee of the Corporation, and, with the approval of the Executive Committee, to remove such agent or employee, and shall perform all other duties from time to time assigned to him.

He shall make in the month of January in each year, under the direction of the Board, a report to the Governor of the State for the year ending on the 31st day of December preceding, of the condition of the Library and of the funds and other property of the Corporation, showing the assets and investments of such Corporation in detail as provided in Paragraph 22, Chapter 81, Statutes of Illinois.

#### VICE-PRESIDENTS.

SECTION 12. The powers and duties of the President shall, in his absence or inability to act, devolve upon the Vice-Presidents in their order, and in the absence or inability to act of both Vice-Presidents, upon the Chairmen of the Standing Committees in the order named in Section 9.

#### SECRETARY.

SECTION 13. The Secretary shall keep a faithful record of all meetings of the Board, have the custody of the corporate seal and of all papers and documents relating to the Corporation,

to be kept in a place designated by the Board, sign the call of all meetings of the Board, and execute such documents as require his signature and the seal, when authorized by the Board, and shall perform all other duties from time to time assigned to him.

#### TREASURER.

SECTION 14. The Treasurer shall be the financial officer of the Corporation, and, under the direction of the Committee on Finance, shall have the custody and control of all its funds and securities, and deposit them in such banks or depositories as may be designated by the Board, and shall sign all checks, drafts and other papers requiring the payment of money, when duly countersigned, and shall perform such other duties as may be from time to time assigned to him. He shall give bond in such amount and with such surety as shall be approved by the Board.

He shall prepare for consideration at the annual meeting of the Corporation a statement of the probable income for the ensuing year and the expenditures recommended by the Standing Committees.

#### LIBRARIAN.

SECTION 15. The Librarian, under the supervision of the Committee on Administration, shall have the charge of the Library and of the conduct of its administration, and of all agents and employees therein, and shall carry out the policies adopted by the Board in regard to the management of the Library and the nature and quality of its accessions, and shall perform all other duties from time to time assigned to him.

#### COMMITTEES.

SECTION 16. The Committee on Finance shall have general direction and control of the funds and property of the Corporation. The Treasurer shall report to this Committee a monthly statement of balances on hand, and all other matters connected with the investments as well as property and finances of the Corporation. Sales of securities, investments and reinvestments of all funds of the Corporation shall be made only under the direction and approval of this Committee or by direction of the Board.

The accounts of the Treasurer and the securities, funds and property of the Corporation shall be examined and verified by this Committee at such times during each year as the Committee may deem expedient, or as shall be designated by the Board, and a report of the financial condition of the Corporation made at each meeting of the Board.

SECTION 17. The Committee on Administration shall have charge of administration of the temporary quarters of the Library, and of the Library building when erected, together with the Library and all personal property connected therewith, and shall have the supervision of all agents and employees in the administration of the Library, and shall consider and recommend to the Board for approval all appointments in the working force of the Library, and all changes deemed advisable therein, and also in the methods of the administration of the Library.

SECTION 18. The Committee on Buildings and Grounds shall have control of the real estate and buildings of the Corporation and of the adjustment and payment of all assessments and insurance upon the same, and shall have supervision and control of the erection of all buildings and negotiations and contracts involved therein, as authorized by the Board, and shall recommend an architect, superintendent and contractors, for appointment and selection by the Board.

SECTION 19. The Committee on Books shall have charge of the selection, purchase, binding, and repair of all accessions to the Library, within the limits of the appropriations made by the Board, and in accordance with their directions. They shall have power to dispose, by sale or otherwise, of duplicates and of accessions which are not within the lines fixed by the Board.

SECTION 20. The Executive Committee shall exercise all the powers of the Board, subject to its approval, in matters requiring action between the meetings of the Board, and shall also make such recommendations as it may deem advisable for the consideration of the Board and the Standing Committees.

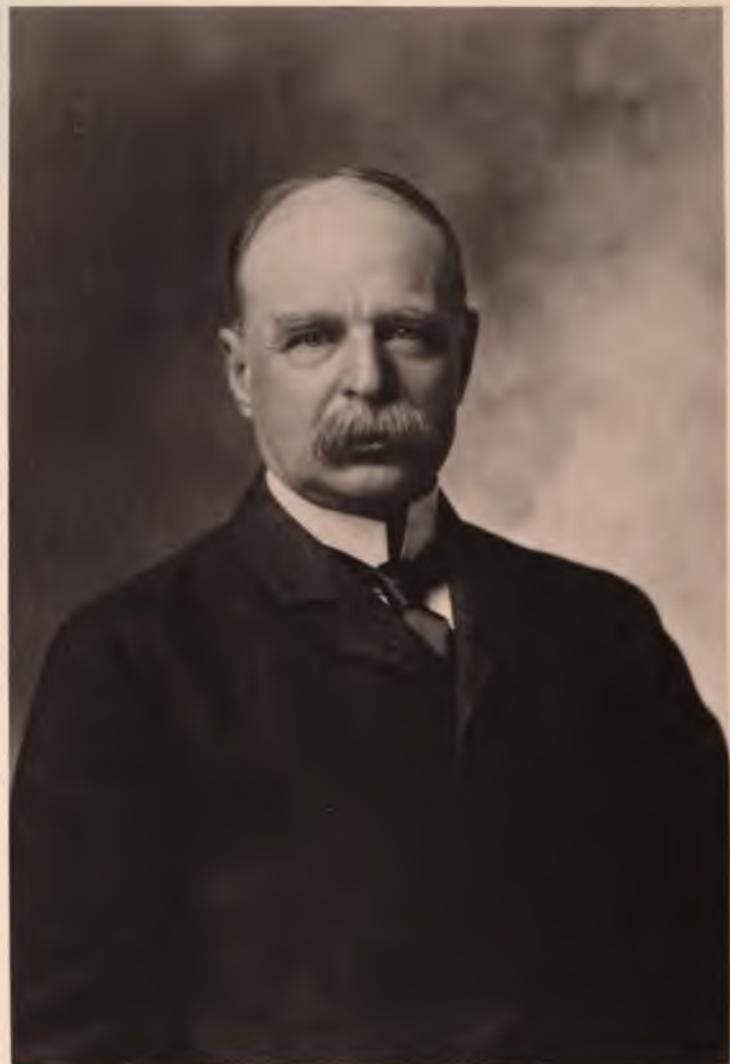
SECTION 21. All moneys shall be deposited in a bank or banks, to be designated by the Board, to the credit of "The John Crerar Library," and shall be drawn out only by checks signed by the Treasurer and countersigned by the President.

SECTION 22. The total bequest received from the Trustees

of the Estate of John Crerar for the establishment of the Library shall be set apart as a Permanent Endowment Fund, and shall never be impaired nor encroached upon. This fund may be increased by adding thereto such portion of the surplus revenues, or funds received from other sources, as the Board by a majority vote at any regular annual meeting of the Corporation may determine.

SECTION 23. These By-laws may be amended or repealed by an affirmative vote of not less than nine members of the Board at any regular meeting, provided that notice of such proposed action shall be included by the Secretary in the call for the meeting.





*Norman Williams*

THE  
**JOHN CRERAR LIBRARY**

FIFTH ANNUAL REPORT

FOR THE YEAR

1899



CHICAGO  
PRINTED BY ORDER OF THE BOARD OF DIRECTORS  
1900



## OFFICERS, 1900

---

*President*

HUNTINGTON W. JACKSON

*First Vice-President*

PETER STENGER GROSSCUP

*Second Vice-President*

HENRY W. BISHOP

*Secretary*

ARTHUR J. CATON

*Treasurer*

WILLIAM J. LOUDERBACK

*Librarian*

CLEMENT W. ANDREWS

---

## BOARD OF DIRECTORS

---

HUNTINGTON W. JACKSON

MARSHALL FIELD	FRANK S. JOHNSON
E. W. BLATCHFORD	PETER STENGER GROSSCUP
ROBERT T. LINCOLN	ARTHUR J. CATON
HENRY W. BISHOP	MARVIN HUGHITT
ALBERT KEEP	THOMAS D. JONES
JOHN M. CLARK	JOHN J. MITCHELL

## STANDING COMMITTEES

---

*Finance*

MARSHALL FIELD

ALBERT KEEP JOHN J. MITCHELL

*Administration*

E. W. BLATCHFORD

PETER STENGER GROSSCUP MARVIN HUGHITT

*Buildings and Grounds*

JOHN M. CLARK

HENRY W. BISHOP ROBERT T. LINCOLN

*Books*

FRANK S. JOHNSON

THOMAS D. JONES ARTHUR J. CATON

DIRECTORS, 1894-1900

---

NORMAN WILLIAMS	-	-	-	-	1894-1899*
HUNTINGTON W. JACKSON	-	-	-	-	1894-
MARSHALL FIELD	-	-	-	-	1894-
E. W. BLATCHFORD	-	-	-	-	1894-
T. B. BLACKSTONE	-	-	-	-	1894-1899†
ROBERT T. LINCOLN	-	-	-	-	1894-
HENRY W. BISHOP	-	-	-	-	1894-
EDWARD G. MASON	-	-	-	-	1894-1895†
ALBERT KEEP	-	-	-	-	1894-
EDSON KEITH	-	-	-	-	1894-1896*
SIMON J. MCPHERSON	-	-	-	-	1894-1899†
JOHN M. CLARK	-	-	-	-	1894-
GEORGE A. ARMOUR	-	-	-	-	1894-1899†
FRANK S. JOHNSON	-	-	-	-	1896-
PETER STENGER GROSSCUP	-	-	-	-	1897-
ARTHUR J. CATON	-	-	-	-	1900-
MARVIN HUGHITT	-	-	-	-	1900-
THOMAS D. JONES	-	-	-	-	1900-
JOHN J. MITCHELL	-	-	-	-	1900-

\* Deceased

† Resigned

## LIBRARY STAFF, 1900

---

<i>Librarian</i>	- - - - -	<b>CLEMENT W. ANDREWS</b>
<i>Assistant Librarian</i>	- - - - -	<b>ANDERSON H. HOPKINS</b>
<i>Cataloguer</i>	- - - - -	<b>AKSEL G. S. JOSEPHSON</b>
<i>Reference Librarian</i>	- - - - -	<b>HARRY A. MILLIS</b>
<i>Assistant Cataloguer</i>	- - - - -	<b>MARY E. HAWLEY</b>

### *Senior Assistants*

<b>EDITHA C. PHELPS</b>	<b>CHARLOTTE H. FOYE</b>
<b>SARAH S. DICKINSON</b>	<b>ELEANOR ROPER</b>

### *Junior Assistants*

<b>MARY EMILY MILLS</b>	<b>GERTRUDE FORSTALL</b>
<b>KATE P. JOHNSON</b>	<b>MARGARET E. ZIMMERMAN</b>
<b>MARY A. HORNE</b>	<b>LESTER C. BAILEY</b>
<b>CHARLES WITT</b>	<b>ELIZABETH MONTROSS</b>
<b>SAMUEL C. IRVING</b>	

### *Attendants*

<b>ELMER M. SHERLOCK</b>	<b>CURTIS B. CAMP</b>
<b>ROBERT M. BUCK</b>	<b>WILLIAM E. GODSO</b>

### *Pages*

<b>CHARLES GREGORY</b>	<b>WM. FREDERICK RODGER</b>
<b>EDWARD E. JAHNKE</b>	

<i>Janitor</i>	- - - - -	<b>THEODORE F. WILLIAMS</b>
<i>Assistant Janitor</i>	- - - - -	<b>WILLIAM R. BICKHAM</b>



## REPORT OF THE PRESIDENT.

*Gentlemen*,—The death of President Williams and the temporary absence of his successor, Col. Jackson, devolves on me the duty of presenting to the Board a review of the year's work of the library.

The Board has suffered, also, by the resignation of Mr. Armour, Mr. Blackstone and Dr. McPherson.

The Committee on Buildings and Grounds has had plans prepared for the utilization of the space to be taken on the fifth floor of the building, with a preliminary estimate of the cost, which is included in the estimated appropriations submitted for your consideration.

The Treasurer's report shows a marked increase in the income of the library, as foreshadowed in the President's report of the previous year. Attention is called to the large proportion of the funds of the library which have undergone reinvestment during the year. There has been a general increase in the value of securities, making it possible, if the Board so decides, to increase considerably the endowment fund. The statement of expenses of operation shows an available surplus applicable to the building fund of over \$60,000, making a total now of over \$250,000.

The report of the Librarian gives the details of the administration. During the year there were added 12,000 volumes, making the total accessions 55,000. Nearly 35,000 visitors were recorded, an average of 113 a day, and an increase of almost 5,000 over the records of last year. The recorded use of books and periodicals has increased in even larger proportion, and the total use was more than 80,000. Attention is called to the list of donors, and to the increase of gifts, as a proof of the growth of public interest in the library.

Respectfully submitted,

PETER STENGER GROSSCUP,

Chicago, January 18, 1900.

Acting President.

## REPORT OF THE TREASURER.

### STATEMENT OF FINANCES FOR YEAR 1899.

#### CASH.

Cash on hand December 31, 1898:

In bank	-	-	-	\$ 317,663.36
Librarian, petty cash	-	-	-	86.51
				<hr/>

#### RECEIPTS.

Collections account income	-	-	-	\$ 138,690.36
Bills collectable	-	-	-	466.10
<b>Investments:</b>				
Bonds	-	-	-	\$ 14,695.33
Mortgage Loans				4,300.00
Stocks	-	-	-	675.517.58
Special Deposits				114,000.00 808,512.91 947,669.37
				<hr/>
				\$1,265,419.24

#### DISBURSEMENTS.

Audited Vouchers	-	-	-	\$ 79,321.58
<b>Investments:</b>				
Bonds	-	-	-	\$ 517,194.73
Mortgage Loans				510,000.00
Stocks	-	-	-	135,707.75
Special Deposits				12,642.69 1,175,545.17 1,254,866.75
				<hr/>

Cash on hand December 31, 1899:

In bank	-	-	-	\$10,471.84
Librarian, petty cash	-	-	-	80.65
				<hr/>

## REPORT OF THE TREASURER.

9

## OPERATION.

INCOME		\$ 139,944.78
--------	--	---------------

## EXPENSE.

## Administration:

Rent, Light, etc.	\$ 13,331.14
Salaries, Wages	25,006.28
Supplies	1,549.74
Printing	2,303.19
Transportation, Postage	554.79
Sundries	<u>2,840.93</u>
	\$45,586.07

## Books:

Books	\$17,587.05
Periodicals	4,468.35
Binding	6,957.65
Lettering, Repairs	<u>1,445.95</u>
	\$30,459.00

## Buildings and Grounds:

Repairs	\$ 557.55
Depreciation	<u>1,392.09</u>
	\$1,949.64
	<u>\$77,994.71</u>

## Surplus for year 1899:

Carried to Building Fund	<u>-\$61,950.07</u>
--------------------------	---------------------

## ASSETS.

Bonds	\$1,752,200.21
Stocks	966,583.00
Mortgage Loans	547,744.71
Furniture and Fixtures	12,528.81
Book Investment	114,934.68
Special Deposits	373,642.69
Bills Collectable	1.30
Cash	<u>10,552.49</u>
Total	\$3,778,196.89

## LIABILITIES.

Endowment Fund	\$3,350,000.00
Building Fund	253,923.39
Book Fund	114,934.68
Security Reserve Fund	59,191.52
Audited Vouchers	147.30
Total	\$3,778,196.89

## REPORT OF THE TREASURER.

During the year the Security Reserve Fund reached the amount of \$409,191.52, of which, by order of the Board, there was transferred to Endowment Fund \$350,000.00, thus placing the Endowment Fund at \$3,350,000.00, and leaving an ample balance in the Security Reserve Fund.

The Building Fund has been increased by the amount of the surplus for the year, viz., \$61,950.07, making a total to the credit of that Fund of \$253,923.39.

The Book Fund has been increased by the amount of the investment during the year, less depreciation, and now stands at \$114,934.68.

Insurance is in force covering the property of the Library in amounts as follows:

Books	- - - - -	\$91,000.00
Furniture, Fixtures and Decorations	- - - - -	10,500.00
Portraits	- - - - -	6,000.00
Type and Cases	- - - - -	220.00
		<hr/>
		\$107,720.00

Wm. J. LOUDERBACK,  
Treasurer.

Chicago, January 18, 1900.

---

We hereby certify that we have examined the books of account and securities of The John Crerar Library, and find that the above statement of assets and liabilities is true and correct.

SMITH, RECKITT, CLARKE & Co.,  
Accountants and Auditors,  
Chicago, March 2, 1900. 169 Jackson St., Chicago, Ill.

new accessions. Advantage was taken of the fact that the safe limit of capacity of the Stack Room had not been reached to put an additional shelf over all the stack. This has proved to be a great relief, and should suffice until the new Stack Room is available.

From an examination of the first table of library statistics, which gives the monthly and average daily attendance, recorded use of books and periodicals, and number of visitors admitted to the stack, it will be seen that there were recorded 34,827 visitors to the library, an average of 113 for each day it was open; slips for 18,890 books and 8,013 periodicals were presented and filled; and 1,017 visitors admitted to the stack. A comparison of these figures with those for previous years will be found in the same table. The smallest attendance on any one day was 35, on June 22d, when the library was closed in the afternoon and evening on account of the funeral services of its President, and the largest 241, on November 18th. The evening attendance has been decidedly greater than in previous years, and is now as large proportionally to the total attendance as was expected when it was decided to open the library in the evenings.

The detailed classification of the call-slips and admissions to the stack is given in the second table of library statistics. The following comparison of the totals and percentages for each department, with the corresponding figures for 1898, shows that the rate of increase in the use of books and periodicals drawn on call-slips is very nearly the same for all departments, while in the admissions to the stack the Physical Sciences have made a notable gain, though probably a temporary one.

	RECORDED USE.				ADMISSIONS TO STACK.			
	1898		1899		1898		1899	
	Total.	Percent- age.	Total.	Percent- age.	Total.	Percent- age.	Total.	Percent- age.
General Works	5,357	24	6,150	23	55	8	130	13
Social Sciences	3,361	15	4,048	15	105	16	133	13
Physical Sciences	3,068	13	3,752	14	109	17	306	30
Natural Sciences	1,770	8	1,804	7	167	25	190	19
Applied Sciences	7,024	40	11,147	41	220	34	258	25

The number of admissions to the stack on registration have been 730, and on passes 287; ten passes have been given during the year, making 42 in all, and of these 32 have been used.

In spite of the increased number of readers, the increased

number of call-slips made out by each reader, and the increased number of volumes from which the books called for have to be selected, the records show that the time required to fill calls actually has diminished. The average time this year was 1.51 minutes, while 88 per cent. were filled in two minutes, and 96 per cent. in three minutes. The figures last year were 1.65, 83, and 91 respectively. This result is a gratifying proof of the increased efficiency of the delivery clerks and their assistants.

The change in the proportion of the call-slips credited to each of the divisions of the city is so slight as to make the following table of interest only as a proof that the library serves all sections. The percentages are:

	1897.	1898.	1899.
South Side.....	34	35	38
North Side.....	19	26	24
West Side.....	21	22	21
Business District.....	14	10	10
Out of Town.....	12	7	7

In view of the extremely close agreement of the two determinations of the proportion of recorded use to total use of the library made last year, it did not seem necessary to devote so soon again the required time and effort to the collection of similar statistics. While the increased proportion of books drawn from the stack may indicate, though not necessarily, a smaller proportion of books used in the Reading Room, this loss would be made up by the greatly increased proportion of admissions to the stack. The total use of the library, therefore, may be estimated safely at over 80,000 books and periodicals. In other respects there have been no changes of consequence observed, except that the proportion of women readers has increased decidedly, and that of visitors not reading at all has decreased.

The Committee on Administration has authorized the printing of the "List of Books in the Reading Room" and the "List of Periodicals Currently Received," and work on both has been begun. The first is to be issued partly for the use of readers and partly to obtain expert criticism of the collection in order that it may be made as complete as possible. This bulletin is the first considerable use of the electrotyped titles, and has presented interesting problems, some anticipated and some not.

So much depends upon their satisfactory solution that the work of preparation ought not to be hurried. The Fourth Annual Report, a pamphlet of forty pages, was duly prepared, and the larger part of the usual edition of 4,000 copies was distributed in April.

Some not unimportant changes have been made in the routine of the work of classification, cataloguing and binding, which, it is hoped, will enable the library to place those books which have to be bound at the disposal of readers some two weeks earlier than hitherto, and at the same time will make it possible for the desk attendants to find a book not yet fully catalogued in the absence of those having it in charge. The large increase in the number of readers in the evening makes this now a matter of much more importance than in the past.

The amount of routine work accomplished has not differed materially from that of previous years. The selection of books to be purchased, however, has not been as regular as is desirable, partly because of the absences of the Librarian, and partly because of the exhaustion of appropriations. The latter cause was more especially felt in the departments of Natural Sciences and Social Sciences. In the first case certain very expensive purchases were authorized by the Committee on Books; in the second there was an accumulation of titles selected in previous years. On the other hand, in the department of Physical Sciences the selection has been brought down to the end of the year, and in the other departments the arrearages are less than at the same time last year.

During the year, 4,601 orders have been given. Of these 634 failed or were canceled, leaving 3,967 valid orders covering 6,623 volumes at an estimated cost of \$14,148.41. Of outstanding orders 3,924 were filled, covering 9,252 volumes at a cost of \$17,587.05, leaving outstanding 1,098 orders, covering 3,030 volumes, at an estimated cost of \$7,426.33. The classification of the orders of the year and of the total to date, as well as of the estimated cost of each, is given in the second table of library statistics.

The total accessions for 1899 have been 12,360, of which 3,103 have been received by gift, and 9,252 obtained by purchase. Volumes made by binding periodicals are included in these figures. There have been withdrawn 198 volumes, leaving the net accessions for the year 12,162, making, with the 43,061

Ethnological Museum of Dresden; the Commonwealth of Pennsylvania, at the instance of Senator Penrose; the cities of Baltimore, Brooklyn, New York and Philadelphia, through Mr. G. E. Hooker; and a collection of books on engineering subjects from Mr. Carl Boechlin of Chicago.

The result of the comparison of the shelf-list with the books on the shelves is truly remarkable. While five volumes have been lost during the year, one from the Reading Room and four from the Stack Room, on the other hand two reported missing last year have been returned to the Reading Room, and five have been found in the Stack Room. The total loss since the opening, therefore, is only thirteen volumes, or about two-hundredths of one per cent. of the volumes on the shelves at the close of the year. Although one of the four volumes missing in 1897 has been found this year, it seems best to withdraw the other three from the records.

The total number of periodicals currently received was 1,806, at an actual cost of \$4,468.35. About 100 more have been subscribed for but not yet received, and the number of subscriptions will have to be increased, in justice to our readers, if the Western Society of Engineers decides that it is not able to send us, as promptly as in the past, the numbers which it does not intend to bind. A re-estimation of the cost of subscription, however, shows that this can be done within the present appropriation, and still leave an ample margin for such additions as may be found desirable. Of the periodicals received this year, 381 came as gifts.

The first portion of the Union List of Periodicals has been sent to the printer, and it is hoped that the publication can be completed this spring. It is certain to be of much use to the libraries of the city, but will not make unnecessary the publication of the list of current periodicals taken by the library, as the latter will be classed as well as alphabetical.

During the year 5,932 volumes have been sent to the binders, and 6,214 received from them, leaving 225 at the bindery on January 1, 1900. This is the smallest number so far reported. The cost of binding was \$6,957.65, an average of \$1.12 per volume. The cost of lettering and repairs, including a considerable number of changes in classification and the insertion of several

thousand book-plates, as well as the care of the 12,000 accessions, has been \$1,445.95.

All accessions received since the change of routine referred to have been catalogued, and the accumulation of volumes uncatalogued, though still inconveniently large, is less than it has been for some time. The Cataloguer reports that 5,378 new titles have been prepared for print, 278 new titles typewritten, 231 old typewritten titles prepared for print, 753 old printed titles recatalogued, 545 titles prepared for the coöperative serial analysis, and 301 such titles, prepared by other libraries, classified for our catalogues. The total number of titles treated by the Cataloguer and his assistants, therefore, is 7,486. Besides this, it has been found necessary to reprint 73 titles on account of errors, certainly not a large proportion of the total work done. Cards for 5,447 titles have been received from the printer, and 5,535 electrotypes from the electrotypers. The total number of separate titles prepared is 19,986; of sets of cards received, 19,330; of electrotypes, 19,170.

The coöperative analysis of serials has been extended in its scope until it now covers 236 serials. This library has furnished 545 titles, and has received cards for 3,799, at a cost of \$123.16, less \$54.50 allowed for the preparation of titles. Cards for 754 have already been filed in the catalogues, and those for some 500 more are nearly ready to be filed. The classed subject catalogue now contains some 20,000 titles and 37,500 cards, an average of 1.85 cards to a title; the author catalogue contains the same 20,000 titles and 34,000 cards, an average of 1.7 cards to a title. The distribution of the entries in the classed subject catalogue is shown in the second table of library statistics. Considerable work has been done in preparation for the alphabetical subject catalogue, and some 800 guide cards have been printed, but it has not seemed advisable to push this work while so much remains to be done on the other catalogues.

Believing that much more use would be made of the set of British Blue Books if they were more systematically brought to the notice of readers, titles covering the most important of them have been prepared. It is possible that these will be printed by the Publishing Section of the American Library Association for such libraries as may wish to subscribe. The success of these

experiments in coöperation may have, indeed, a much greater result in leading to a determined effort to avoid the wastefulness of the present methods of individual cataloguing by each library. The subject is to receive attention at the annual meeting of the American Library Association. While the difficulties are many and great, it ought to be possible to overcome them, and they should be overcome if possible, for the gain to each library would be direct and considerable.

The library has been represented officially by the Librarian, and unofficially by the Assistant Cataloguer, at the annual meeting of the American Library Association at Atlanta, May 6th to 11th, and officially by the Librarian at the annual meeting of the Illinois Library Association at Champaign, February 22d and 23d. A contribution, consisting of photographs of the rooms, a volume of printed reports and papers relating to the library, a volume of forms peculiar to it, and a miniature representation of the printed card catalogues, has been sent to the New York State Library to form part of the collective exhibit of American libraries at the Paris Exposition of this year.

The changes in the staff have been again unfortunately numerous. Mr. Hervey White, Reference Librarian, Mrs. Kelly, senior assistant, Messrs. Hoefer, O'Connor, and Moon, attendants, have left the service, thus making an almost complete change in the evening staff. All had given faithful and efficient services, but those of Mr. White deserve special mention. To his courtesy and tact, no less than to his breadth of education and study, is due much of the credit which the library has received for attention to the wants of visitors. The vacancy caused by his resignation has been filled by the appointment of Harry A. Millis, Ph.D. (Chicago). Mr. L. C. Bailey, formerly an attendant, Miss Elizabeth Montross, and Mr. S. C. Irving have been appointed junior assistants, and Messrs. C. B. Camp and W. E. Godso have been appointed attendants. To all the staff the library is indebted for earnest and faithful work which has accomplished much.

Respectfully submitted.

CLEMENT W. ANDREWS,

Chicago, January 18, 1900.

Librarian.

LIBRARY STATISTICS: I.  
RECORD OF ATTENDANCE AND USE FOR 1899.

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.	TOTAL 1899	TOTAL 1898	INCREASE PER CT.
Visitors	2793	3177	3330	2480	2869	2574	2668	3111	2778	3038	3133	2976	34827	30516	---
Daily Average	112	132	120	99	106	99	107	115	107	117	125	119	113	99	14
Books Drawn from Stack	1581	1829	1800	1330	1374	1529	1381	1420	1346	1655	1902	1743	18890	15367	---
Daily Average	63	76	67	53	51	59	55	53	52	64	76	70	61	50	22
Periodicals Drawn from Alcove	636	691	813	579	617	647	574	702	744	666	716	628	8013	7213	---
Daily Average	25	29	30	23	23	25	23	26	29	26	29	25	26	23	13
Visitors Admitted to Stack	61	98	68	51	94	87	95	129	103	68	96	67	1017	656	55

Smallest attendance, 35 on June 22d. Largest attendance, 241 on November 18th.

COMPARISON BY YEARS.

	1897 9 MOS.	1898	1899
Visitors	18,584	30,516	34,827
Daily Average	80	99	113
Books Drawn from Stack	6,995	15,367	18,890
Daily Average	30	50	61
Periodicals Drawn from Alcove	3,864	7,213	8,013
Daily Average	17	23	26
Visitors Admitted to Stack	359	656	1,017
Volumes in Library	29,141	43,061	55,223

LIBRARY STATISTICS: II.

SUBJECTS	ORDERS			ACCESSIONS			CATALOGUE			PERIODICALS			RECORDED USE		
	1890		Total	1890		Total	1890		Total	1890		Total	1890		
	Vol.	Est. Cost	Vol.	Est. Cost	No.	No.	No.	Entries	Total	No.	Cost	Books	Periodicals	Stack	
I.—GENERAL WORKS:															
0 Unclassified	87	\$180 10	518	\$1,077 18	91	560	1,063	2	\$5 64	134	5	—	—	—	
1 Bibliography	252	577 23	1,273	3,282 99	342	1,427	2,102	117	214 75	275	69	52	52	52	
2 Library Economy	29	31 68	636	617 99	114	513	467	41	27 54	233	53	26	26	26	
3 Cyclopedias	190	192 61	776	1,242 67	209	747	1,08	9	—	41	—	8	—	8	
4 Collected Works of Authors	7	28 30	93	317 23	1	90	64	—	—	—	116	—	1	—	
5 General Periodicals	218	276 34	2,204	2,987 78	307	2,314	2,33	59	229 22	671	2,157	12	12	12	
6 General Societies	274	674 03	1,984	7470 87	694	2,351	2,74	109	170 96	194	38	9	9	9	
7 Exhibitions and Museums	84	98 90	412	359 58	128	336	336	16	14 75	57	18	—	—	—	
8 Special Libraries	10	Philosophy	36	56 31	212	281 71	38	200	287	6	14 50	129	8	1	
13, 15 Psychology	60	50 50	362	614 51	93	397	511	17	49 76	637	45	5	5	5	
16 Logic	10	11 63	52	44 96	7	54	65	—	—	45	—	—	—	—	
40 Philology	37	87 59	518	886 97	59	335	417	3	1 75	349	—	—	—	—	
90 History and Geography	254	458 17	1,353	2,850 01	501	1,641	2,001	13	10 25	746	—	10	10	10	
91 Cartography	119	194 36	323	698 80	131	915	90	24	50 58	80	50	5	5	5	
	1,657	\$2,923 75	10,716	\$22,733 25	2,715	11,880	8,018	416	\$789 70	3,707	2,443	130	130	130	
II.—SOCIAL SCIENCES:															
17 Ethics	33	\$30 51	121	\$120 30	42	138	264	2	\$2 40	80	10	2	2	2	
20 Religion	18	6 95	49	53 14	15	73	231	1	1 00	61	—	—	—	—	
30 General Works	92	25 59	753	1,484 73	199	849	638	49	118 78	506	117	27	27	27	
31 Statistics	123	104 97	446	835 76	149	585	355	37	55 45	77	10	5	5	5	
32 Political Science	67	87 69	240	348 20	84	653	549	5	3 76	142	15	24	24	24	
33 Political Economy	173	304 32	1,717	2,228 25	421	2,147	2,527	89	185 10	526	596	7	7	7	
34 Law	25	63 05	190	434 31	112	327	422	6	14 41	140	8	1	1	1	
35 Administration (including Pub- lic Documents)	178	149 95	1,862	889 49	1,362	5,615	1,269	82	48 91	277	85	28	28	28	
36 Associations and Institutions	78	79 71	416	377 45	177	535	416	28	50 40	83	13	—	—	—	
37 Education	191	231 66	1,092	1,385 18	410	1,533	1,256	83	72 22	401	127	35	35	35	
38 Commerce and Communication	43	44 36	387	719 84	414	928	491	22	40 09	174	303	3	3	3	
39 Customs, Folklore, etc.	34	55 88	172	303 35	46	186	341	5	10 99	293	4	1	1	1	
	1,055	\$1,184 64	7,445	\$9,180 00	3,431	13,569	8,759	409	\$603 51	2,760	1,288	133	133	133	

Subject	ORDERS			ACCESSIONS			CATALOGUE			PERIODICALS			RECORDED USE		
	1890		Est. Cost	Vol.	1890		Total	No.	No.	Entries	No.	Cost	Books	Periodicals	Page
	Val.	Fst. Cost	1,771	\$4,237	52	221	2,103	332	24	89	35	\$89	180	19	18
III.—PHYSICAL SCIENCES:															
50 General Works	205	\$399	41	1,771	3,690	18	252	1,261	769	29	584	4	180	19	8
51 Mathematics	110	181	15	1,430	3,768	46	237	1,540	773	64	244	9	1614	233	21
52 Astronomy	137	842	62	1,739	3,765	50	280	1,836	1,801	50	165	47	1,614	233	112
53 Physics	204	292	21	1,884	3,756	35	300	1,842	1,272	37	157	61	751	114	147
54 Chemistry and Mineralogy	302	720	92	2,025	5,344	35	300	1,842	1,272	37	157	61	751	114	147
	958	\$2,436	31	8,849	\$20,797	01	1,290	8,582	4,947	204	\$514	45	3,373	379	306
IV.—NATURAL SCIENCES:															
55 Geology	205	\$425	10	1,802	\$3,523	08	278	1,816	1,526	54	\$92	64	397	16	34
56 Palaeontology	58	118	59	162	630	06	28	1,22	310	6	21	00	7	1	2
57 Biology and Natural Sciences in General	273	1,083	04	2,597	8,533	92	398	2,647	1,542	105	258	30	449	43	61
58 Botany	213	560	00	1,979	4,148	56	261	1,072	1,010	54	200	66	362	18	19
59 Zoology	234	1,512	31	2,102	13,048	30	370	1,968	2,170	78	478	62	464	47	74
	903	\$3,699	04	7,652	\$29,883	92	1,335	7,625	6,558	297	\$1,050	62	1,679	125	190
V.—APPLIED SCIENCES:															
60, 70 General Works	233	\$480	39	2,495	\$4,504	55	355	2,558	4,76	72	\$184	63	449	843	79
61 Hygiene	280	340	32	636	1,024	71	326	774	1,000	26	53	05	660	118	13
62 Engineering	375	1,233	66	3,634	8,186	14	1,025	4,119	2,610	150	279	40	2,637	1,506	90
63 Agriculture	120	128	54	1,390	1,201	15	242	1,515	833	48	45	36	346	38	10
64 Domestic Economy	44	28	77	160	1,34	89	50	175	2,06	5	3	65	165	26	5
65 Trade and Transportation	142	286	81	765	1,583	00	449	1,122	841	40	78	54	643	237	5
66 Chemical Technology	129	258	19	1,054	2,446	98	186	1,063	998	39	96	49	976	185	40
67, 68 Manufactures and Trades	100	169	85	739	1,164	62	172	822	716	36	60	61	468	254	1
69 Building	20	83	30	446	952	41	60	433	469	14	20	56	361	54	2
71 Landscape Gardening	10	13	77	97	112	27	17	103	1,25	—	—	—	25	—	—
72 Architecture	57	171	73	102	399	44	81	155	267	18	83	55	141	143	6
73, 74 Drawing, Design, etc.	276	529	77	379	793	09	225	355	353	8	31	74	263	18	5
77 Photography	181	189	57	334	385	02	203	373	323	24	33	45	237	356	2
	1,970	\$3,994	67	12,192	\$22,888	27	3,391	13,567	9,217	480	\$971	03	7,371	3,778	258
	6,623	\$14,148	41	46,834	105,482	45	12,102	55,223	37,499	1,806*	\$3,999	31	18,890	8,013	1017
Total.															

• \$81 by gift.

## LIST OF DONORS.

	Volumes or Pamphlets.
Academy of Natural Sciences, <i>Philadelphia, Pa.</i> .....	3
Academy of Science of St. Louis, <i>St. Louis, Mo.</i> .....	1
Adams, Charles F., <i>Boston, Mass.</i> .....	2
Adirondack League Club, <i>New York, N. Y.</i> .....	2
Adler, Cyrus, <i>Washington, D. C.</i> .....	2
Ærmotor Co., <i>Chicago, Ill.</i> .....	1
Agnelli, G., <i>Ferrara, Italy</i> .....	1
Aguilar Free Library Society, <i>New York, N. Y.</i> .....	1
Alabama Geological Survey, <i>Montgomery, Ala.</i> .....	15
American Book Co., <i>Chicago, Ill.</i> .....	2
American Institute of Mining Engineers, <i>New York, N. Y.</i> .....	1
American Iron and Steel Association, <i>Philadelphia, Pa.</i> .....	1
American Luxfer Prism Co., <i>Chicago, Ill.</i> .....	1
American Museum of Natural History, <i>New York, N. Y.</i> .....	7
American Society of Heating and Ventilating Engineers, <i>New York, N. Y.</i> .....	4
American Society of Irrigation Engineers, <i>Denver, Col.</i> .....	2
American Society of Mechanical Engineers, <i>New York, N. Y.</i> .....	2
American Street-Railway Association, <i>Chicago, Ill.</i> .....	1
American Water Works Association, <i>New York, N. Y.</i> .....	8
Andover Theological Seminary, <i>Andover, Mass.</i> .....	1
Andrews, Clement W., <i>Chicago, Ill.</i> .....	3
Andrews, Edmund, <i>Chicago, Ill.</i> .....	1
Armour Institute of Technology, <i>Chicago, Ill.</i> .....	15
Atlanta University, <i>Atlanta, Ga.</i> .....	2
Australasian Association for the Advancement of Science, <i>Sydney, Australia</i> .....	1
Baker & Adamson Chemical Co., <i>Easton, Pa.</i> .....	1
Baker & Co., <i>Newark, N. J.</i> .....	1
Baltimore and Ohio Railroad Co., Relief Department, <i>Baltimore, Md.</i> .....	1
Baltimore Chamber of Commerce, <i>Baltimore, Md.</i> .....	19
Baltimore Charity Organization Society, <i>Baltimore, Md.</i> .....	10
Baltimore City Library, <i>Baltimore, Md.</i> .....	200
Barker, May I., <i>Chicago, Ill.</i> .....	4
Barnard, Prof. E. E., <i>Williams Bay, Wis.</i> .....	49
Barr, James E., <i>Stockton, Cal.</i> .....	1
Bates, William S., <i>Chicago, Ill.</i> .....	1
Bay, Dr. J. Christian, <i>Des Moines, Ia.</i> .....	1
Bibliographical Society, <i>London, Eng.</i> .....	1
Biblioteca Comunale di Verona, <i>Verona, Italy</i> .....	2
Bibliothèque Publique de Genève, <i>Geneva, Switzerland</i> .....	1

## LIST OF DONORS.

23

	Volumes or Pamphlets.
Bibliothèque Royale de Belgique, <i>Brussels, Belgium</i> .....	1
Biological Society of Washington, <i>Washington, D. C.</i> .....	1
Birkinbine, John, <i>Philadelphia, Pa.</i> .....	1
Blakiston's Son, P., & Co., <i>Philadelphia, Pa.</i> .....	1
Blue Hill Meteorological Observatory, <i>Milton, Mass.</i> .....	3
Bodine & Co., <i>Chicago, Ill.</i> .....	1
Bodleian Library, <i>Oxford, Eng.</i> .....	1
Boecklen, Carl, <i>Chicago, Ill.</i> .....	77
Bolton, Dr. H. Carrington, <i>Washington, D. C.</i> .....	1
Borgen, Vilhelm, <i>Copenhagen, Denmark</i> .....	1
Boston, Mass., <i>City of</i> .....	6
Boston Athenæum, <i>Boston, Mass.</i> .....	1
Boston Book Co., <i>Boston, Mass.</i> .....	3
Boston Children's Aid Society, <i>Boston, Mass.</i> .....	1
Boston Children's Institutions Department, <i>Boston, Mass.</i> .....	1
Boston City Hospital, <i>Boston, Mass.</i> .....	3
Boston Department of Municipal Statistics, <i>Boston, Mass.</i> .....	5
Boston Museum of Fine Arts, <i>Boston, Mass.</i> .....	1
Boston Public Library, <i>Boston, Mass.</i> .....	5
Boston Transit Commission, <i>Boston, Mass.</i> .....	3
Boutell, Hon. Henry Sherman, <i>Washington, D. C.</i> .....	1
Bowdoin College Library, <i>Brunswick, Me.</i> .....	5
Brockton Public Library, <i>Brockton, Mass.</i> .....	5
Brooklyn Department of Bridges, <i>Brooklyn, N. Y.</i> .....	42
Brooklyn Department of Finance, <i>Brooklyn, N. Y.</i> .....	111
Brooklyn Eagle, <i>Brooklyn, N. Y.</i> .....	3
Brooklyn Institute of Arts and Sciences, <i>Brooklyn, N. Y.</i> .....	1
Brooklyn Library, <i>Brooklyn, N. Y.</i> .....	1
Brooklyn Public Library, <i>Brooklyn, N. Y.</i> .....	1
Buckingham, James, <i>Zanesville, O.</i> .....	1
Buffalo, N. Y., <i>City of</i> .....	1
Buffalo Department of Health, <i>Buffalo, N. Y.</i> .....	1
Buffalo Department of Public Works, <i>Buffalo, N. Y.</i> .....	3
Buffalo Public Library, <i>Buffalo, N. Y.</i> .....	3
Buffalo Society of Natural Sciences, <i>Buffalo, N. Y.</i> .....	4
Burdett, Everett W., <i>Boston, Mass.</i> .....	1
Bureau of American Republics, <i>Washington, D. C.</i> .....	1
Bussey Institution, <i>Boston, Mass.</i> .....	2
California Academy of Sciences, <i>San Francisco, Cal.</i> .....	9
California State Library, <i>Sacramento, Cal.</i> .....	5
Cambridge Public Library, <i>Cambridge, Mass.</i> .....	2
Canada, Commissioner of Patents, <i>Ottawa, Can.</i> .....	1
Carnegie Free Library, <i>Allegheny, Pa.</i> .....	2
Carnegie Library, <i>Pittsburg, Pa.</i> .....	7
Carnegie Steel Co., <i>Pittsburg, Pa.</i> .....	6
Central Electric Co., <i>Chicago, Ill.</i> .....	1
Central Passenger Association, <i>Chicago, Ill.</i> .....	2
Central Railway Club, <i>Chicago, Ill.</i> .....	4
Chadwick, Rev. John White, <i>Brooklyn, N. Y.</i> .....	1
Chamberlain, Rev. Leander T., <i>New York, N. Y.</i> .....	2

## LIST OF DONORS.

	Volumes or Pamphlets.
Chamberlin, <i>Prof.</i> Thomas C., <i>Chicago, Ill.</i> -----	3
Charity Organization Society, <i>New York, N. Y.</i> -----	1
Chicago, Ill., <i>City of</i> -----	6
Chicago Academy of Sciences, <i>Chicago, Ill.</i> -----	1
Chicago and Northwestern Railway Co., <i>Chicago, Ill.</i> -----	29
Chicago Banker Co., <i>Chicago, Ill.</i> -----	3
Chicago Board of Education, <i>Chicago, Ill.</i> -----	1
Chicago Board of Trade, <i>Chicago, Ill.</i> -----	1
Chicago Commons, <i>Chicago, Ill.</i> -----	1
Chicago Creosoted Block Paving Co., <i>Chicago, Ill.</i> -----	1
Chicago Department of Finance, <i>Chicago, Ill.</i> -----	1
Chicago Department of Health, <i>Chicago, Ill.</i> -----	1
Chicago Department of Public Works, <i>Chicago, Ill.</i> -----	1
Chicago Literary Club, <i>Chicago, Ill.</i> -----	1
Chicago Lying-in Hospital and Dispensary, <i>Chicago, Ill.</i> -----	2
Chicago Manual Training School, <i>Chicago, Ill.</i> -----	2
Chicago Postoffice Department, <i>Chicago, Ill.</i> -----	21
Chicago Public Library, <i>Chicago, Ill.</i> -----	2
Chicago Real Estate Board, <i>Chicago, Ill.</i> -----	7
Chicago Typothetæ, <i>Chicago, Ill.</i> -----	1
Christison, <i>Dr. J. Sanderson, Chicago, Ill.</i> -----	1
Cincinnati, O., <i>City of</i> -----	4
Cincinnati Board of Education, <i>Cincinnati, O.</i> -----	1
Cincinnati Enquirer Co., <i>Cincinnati, O.</i> -----	2
Citizens' Association of Chicago, <i>Chicago, Ill.</i> -----	1
City and Suburban Home Co., <i>New York, N. Y.</i> -----	25
Civic Club of Philadelphia, <i>Philadelphia, Pa.</i> -----	1
Civic Federation of Chicago, <i>Chicago, Ill.</i> -----	2
Clevenger, <i>Dr. S. V., Chicago, Ill.</i> -----	27
Climax Road Machine Co., <i>Marathon, N. Y.</i> -----	1
Cobden Club, <i>London, Eng.</i> -----	63
Colliery Engineer Co., <i>Scranton, Pa.</i> -----	1
Colorado State Agricultural College, <i>Fort Collins, Col.</i> -----	4
Columbia University, <i>New York, N. Y.</i> -----	3
Concord Public Library, <i>Concord, N. H.</i> -----	2
Connecticut, <i>State of</i> -----	1
Connecticut Agricultural Experiment Station, <i>New Haven, Conn.</i> -----	3
Cornell College, <i>Mount Vernon, Ia.</i> -----	1
Cornell University, <i>Ithaca, N. Y.</i> -----	5
Cornell University, Agricultural Experiment Station, <i>Ithaca, N. Y.</i> -----	65
Cullom, <i>Hon. Shelby M., Washington, D. C.</i> -----	4
Currey, J. Seymour, <i>Evanston, Ill.</i> -----	1
Dartmouth College, <i>Hanover, N. H.</i> -----	2
Dayton Public Library and Museum, <i>Dayton, O.</i> -----	3
Detroit, Mich., <i>City of</i> -----	2
Detroit Public Library, <i>Detroit, Mich.</i> -----	2
Dickinson, Sarah S., <i>Evanston, Ill.</i> -----	1
District of Columbia Public Library, <i>Washington, D. C.</i> -----	1
Drexel Institute of Art, Science, and Industry, <i>Philadelphia, Pa.</i> -----	2
Eau Claire Public Library, <i>Eau Claire, Wis.</i> -----	1

## LIST OF DONORS.

25

Volumes or  
Pamphlets.

Electricity Newspaper Co., <i>New York, N. Y.</i>	2
Ellis, Job B., <i>Newfield, N. J.</i>	1
Emerson, Prof. Joseph, <i>Beloit, Wis.</i>	1
Enoch Pratt Free Library, <i>Baltimore, Md.</i>	1
Erwood, John, <i>Chicago, Ill.</i>	1
Essex Institute, <i>Salem, Mass.</i>	1
Evanston Free Public Library, <i>Evanston, Ill.</i>	1
Fairmount Park Art Association, <i>Philadelphia, Pa.</i>	2
Farm Specialty Co., <i>Griffin, Ga.</i>	1
Farmer & Son Type Founding Co., <i>Chicago, Ill.</i>	1
Felsenthal, Edwin I., <i>Chicago, Ill.</i>	1
Field Columbian Museum, <i>Chicago, Ill.</i>	6
Fishing Gazette, <i>New York, N. Y.</i>	1
Fletcher Free Library, <i>Burlington, Vt.</i>	1
Foot, Allen Ripley, <i>Takoma Park, D. C.</i>	1
Forbes Library, <i>Northampton, Mass.</i>	1
Forstall, James, <i>Chicago, Ill.</i>	1
Fort Worth and Denver City Railway Co., <i>Fort Worth, Tex.</i>	1
Frank, Mortimer, <i>Chicago, Ill.</i>	2
Fraser & Chalmers, <i>Chicago, Ill.</i>	5
Freiherrlich Carl von Rothschild'sche Oeffentliche Bibliothek, <i>Frankfort-on-the-Main, Germany</i>	1
Furness, William Eliot, <i>Chicago, Ill.</i>	35
Gardner, Ida M., <i>Chicago, Ill.</i>	10
General Electric Co., <i>Schenectady, N. Y.</i>	41
Georgia Geological Survey, <i>Atlanta, Ga.</i>	10
Glasgow Corporation Tramways, <i>Glasgow, Scot.</i>	7
Goheen Manufacturing Co., <i>Canton, O.</i>	1
Gookin, Frederick W., <i>Chicago, Ill.</i>	297
Gregory, Charles, <i>Chicago, Ill.</i>	1
Gross Medical College, <i>Denver, Col.</i>	1
Grosvenor Public Library, <i>Buffalo, N. Y.</i>	1
Guild & Lord, <i>Boston, Mass.</i>	1
Hamilton Public Library, <i>Hamilton, Can.</i>	1
Hancock, Dr. Joseph L., <i>Chicago, Ill.</i>	2
Harrington Bros., <i>London, Eng.</i>	1
Harrison, Hon. Carter H., <i>Chicago, Ill.</i>	1
Hart, Hastings H., <i>Chicago, Ill.</i>	2
Hartford Theological Seminary, <i>Hartford, Conn.</i>	2
Harvard University, <i>Cambridge, Mass.</i>	73
Harvard University, Astronomical Observatory, <i>Cambridge, Mass.</i>	1
Hawley, Mary E., <i>Chicago, Ill.</i>	16
Hazlitt, George K. & Co., <i>Chicago, Ill.</i>	1
Helena Public Library, <i>Helena, Mont.</i>	21
Higinbotham, Harlow N., <i>Chicago, Ill.</i>	15
Hill, John W., <i>Cincinnati, O.</i>	13
Holmes, Mrs. Bayard, <i>Chicago, Ill.</i>	1
Huddersfield Tramways Department, <i>Huddersfield, Eng.</i>	4
Hunt, Charles Wallace, <i>West New Brighton, N. Y.</i>	1
Illinois Board of Examiners of Architects, <i>Chicago, Ill.</i>	1

## LIST OF DONORS.

	Volumes or Pamphlets.
Illinois Bureau of Labor Statistics, <i>Springfield, Ill.</i>	2
Illinois Humane Society, <i>Chicago, Ill.</i>	1
Illinois Society of Engineers and Surveyors, <i>Peoria, Ill.</i>	2
Illinois State Historical Library, <i>Springfield, Ill.</i>	3
Illinois State Laboratory of Natural History, <i>Urbana, Ill.</i>	2
Illinois State Penitentiary, <i>Joliet, Ill.</i>	1
Illinois State Reformatory, <i>Pontiac, Ill.</i>	2
Imperial University of Tokyo, <i>Tokyo, Japan</i>	6
Indiana Board of State Charities, <i>Indianapolis, Ind.</i>	35
Indiana Bureau of Statistics, <i>Indianapolis, Ind.</i>	1
Indiana Department of Inspection, <i>Indianapolis, Ind.</i>	2
Indiana Labor Commission, <i>Indianapolis, Ind.</i>	1
Indiana State Board of Health, <i>Indianapolis, Ind.</i>	4
Indiana State Library, <i>Indianapolis, Ind.</i>	17
Indianapolis, Ind., <i>City of</i>	3
Institution of Civil Engineers, <i>London, Eng.</i>	4
Intercontinental Railway Commission, <i>Washington, D. C.</i>	7
Iowa Academy of Sciences, <i>Des Moines, Ia.</i>	1
Iowa Geological Survey, <i>Des Moines, Ia.</i>	1
Iowa Masonic Library, <i>Cedar Rapids, Ia.</i>	1
Iron and Steel Institute, <i>London, Eng.</i>	10
Jersey City Free Public Library, <i>Jersey City, N. J.</i>	11
John F. Slater Fund Trustees, <i>Washington, D. C.</i>	1
Johns Hopkins University, <i>Baltimore, Md.</i>	5
Jones, Arthur B., <i>Chicago, Ill.</i>	211
Josephson, Aksel G. S., <i>Chicago, Ill.</i>	6
Kaiserliche Leopoldinisch-Carolinische Deutsche Akademie der Naturforscher, <i>Halle, Germany</i>	4
Kansas Board of Railroad Commissioners, <i>Topeka, Kan.</i>	8
Kansas City Public Library, <i>Kansas City, Mo.</i>	1
Kansas University, <i>Lawrence, Kan.</i>	2
Kellogg, E. L. & Co., <i>New York, N. Y.</i>	1
Kerntler, Francis, <i>Budapest, Hungary</i>	1
Kimball, Duran, <i>Chicago, Ill.</i>	2
Kongliga Universitets-Biblioteket i Upsala, <i>Upsala, Sweden</i>	2
Königliche Albertus-Universität, <i>Königsberg, Germany</i>	1
Königliche Universitäts Bibliothek, <i>Kiel, Germany</i>	1
Königliches Zoologisches und Anthropologisch-Ethnographisches Museum, <i>Dresden, Germany</i>	7
Kuppenheimer, Bernard, & Co., <i>Chicago, Ill.</i>	1
Lafayette College, <i>Easton, Pa.</i>	1
Lake Forest University, <i>Lake Forest, Ill.</i>	1
Lake Superior Mining Institute, <i>Houghton, Mich.</i>	1
Lands Plantentuin, <i>Buitenzorg, Java</i>	7
Latham, Dr. Vida A., <i>Chicago, Ill.</i>	12
Lawrence Free Public Library, <i>Lawrence, Mass.</i>	1
Leeds Free Public Libraries, <i>Leeds, Eng.</i>	1
Lehigh University, <i>South Bethlehem, Pa.</i>	1
Leland Stanford Junior University, <i>Palo Alto, Cal.</i>	28
Lemcke & Buechner, <i>New York, N. Y.</i>	13

## LIST OF DONORS.

27

	Volumes or Pamphlets.
Lewis Institute, <i>Chicago, Ill.</i> -----	1
Library Bureau, <i>Chicago, Ill.</i> -----	1
Library of Congress, <i>Washington, D. C.</i> -----	19
Lincoln, <i>Hon. Robert T., Chicago, Ill.</i> -----	7
Liverpool Committee of the Public Libraries, Museums and Art Gallery, <i>Liverpool, Eng.</i> -----	1
Liverpool Engineering Society, <i>Liverpool, Eng.</i> -----	1
Liverpool Town Clerk, <i>Liverpool, Eng.</i> -----	3
Long Island Historical Society, <i>Brooklyn, N. Y.</i> -----	3
Longmans, Green & Co., <i>New York, N. Y.</i> -----	2
Loomis, George P., <i>Chicago, Ill.</i> -----	1
Louderback, William J., <i>Chicago, Ill.</i> -----	1
Lowdermilk, W. H., & Co., <i>Washington, D. C.</i> -----	1
Lowell City Library, <i>Lowell, Mass.</i> -----	2
Lowther, Thomas D., <i>Chicago, Ill.</i> -----	1
Lynn Public Library, <i>Lynn, Mass.</i> -----	1
McGill University Library, <i>Montreal, Can.</i> -----	4
Macmillan Co., <i>New York, N. Y.</i> -----	1
McPherson, Dr. Simon J., <i>Lawrenceville, N. J.</i> -----	1
Madison Board of Water Commissioners, <i>Madison, Wis.</i> -----	1
Maine Educational Department, <i>Augusta, Me.</i> -----	1
Manchester Free Reference Library, <i>Manchester, Eng.</i> -----	1
Manchester Tramways Department, <i>Manchester, Eng.</i> -----	2
Maryland Geological Survey Commission, <i>Baltimore, Md.</i> -----	1
Maryland State Library, <i>Annapolis, Md.</i> -----	4
Mason, <i>Hon. William E., Washington, D. C.</i> -----	1
Massachusetts Agricultural College, Hatch Experiment Station, <i>Amherst, Mass.</i> -----	13
Massachusetts Association of Working Women's Clubs, <i>Brookline, Mass.</i> -----	10
Massachusetts Board of Gas and Electric Light Commissioners, <i>Boston, Mass.</i> -----	1
Massachusetts Bureau of Statistics of Labor, <i>Boston, Mass.</i> -----	1
Massachusetts Horticultural Society, <i>Boston, Mass.</i> -----	7
Massachusetts Institute of Technology, <i>Boston, Mass.</i> -----	2
Massachusetts State Board of Agriculture, <i>Boston, Mass.</i> -----	1
Massachusetts State Library, <i>Boston, Mass.</i> -----	1
Mather, Stephen T., <i>Chicago, Ill.</i> -----	1
Mechanics' Institute, <i>San Francisco, Cal.</i> -----	1
Mercantile Library Company of Philadelphia, <i>Philadelphia, Pa.</i> -----	1
Mercantile Library of New York, <i>New York, N. Y.</i> -----	1
Mercantile Library of Philadelphia, <i>Philadelphia, Pa.</i> -----	3
Merchants' Loan and Trust Co., <i>Chicago, Ill.</i> -----	1
Merryweather, George, <i>Chicago, Ill.</i> -----	7
Metropolitan Street Railway Co., <i>New York, N. Y.</i> -----	1
Metropolitan Water Board, <i>Boston, Mass.</i> -----	1
Mexico, Secretaria de Fomento, Colonización e Industria, <i>City of Mexico, Mexico.</i> -----	2
Meyer, Dr. Adolph B., <i>Dresden, Germany.</i> -----	1
Michigan Commissioner of Railroads, <i>Lansing, Mich.</i> -----	5

## LIST OF DONORS.

	Volumes or Pamphlets.
Michigan Department of State, <i>Lansing, Mich.</i> -----	2
Michigan State Agricultural College, <i>Experiment Station, Agricultural College, Mich.</i> -----	28
Michigan State Library, <i>Lansing, Mich.</i> -----	2
Miller, Henry A., <i>Pittsburg, Pa.</i> -----	1
Milwaukee Public Library, <i>Milwaukee, Wis.</i> -----	3
Minneapolis Board of Park Commissioners, <i>Minneapolis, Minn.</i> -----	16
Minneapolis City Engineer, <i>Minneapolis, Minn.</i> -----	1
Minnesota Academy of Natural Sciences, <i>Minneapolis, Minn.</i> -----	2
Minnesota Geological and Natural History Survey, <i>Minneapolis, Minn.</i> -----	23
Missouri Botanical Garden, <i>St. Louis, Mo.</i> -----	1
Missouri Railroad and Warehouse Commission, <i>Jefferson City, Mo.</i> -----	4
Morris, Frank M., <i>Chicago, Ill.</i> -----	1
Munroe, James P., <i>Chicago, Ill.</i> -----	2
Muss-Arnoldt, William, <i>Chicago, Ill.</i> -----	2
Mutual Life Insurance Co., <i>New York, N. Y.</i> -----	1
Nahant Public Library, <i>Nahant, Mass.</i> -----	1
National League of Associations of Working Women's Clubs, <i>Syracuse, N. Y.</i> -----	24
Nelson, Murry, <i>Junior, Chicago, Ill.</i> -----	21
Nelson, Mrs. Murry, <i>Junior, Chicago, Ill.</i> -----	1
New Bedford Free Public Library, <i>New Bedford, Mass.</i> -----	1
New England Cotton Manufacturers' Association, <i>Boston, Mass.</i> -----	2
New Era Union, <i>Denver, Col.</i> -----	1
New Hampshire State Board of Health, <i>Concord, N. H.</i> -----	8
New Panama Canal Co., <i>New York, N. Y.</i> -----	4
New York, N. Y., <i>City of</i> -----	69
New York Association for Improving the Condition of the Poor, <i>New York, N. Y.</i> -----	37
New York Board of Estimate and Apportionment, <i>New York, N. Y.</i> -----	7
New York Board of Fire Underwriters, Committee on Fire Patrol, <i>New York, N. Y.</i> -----	28
New York Board of Health, <i>New York, N. Y.</i> -----	7
New York Chamber of Commerce, <i>New York, N. Y.</i> -----	4
New York Charity Organization Society, <i>New York, N. Y.</i> -----	47
New York Children's Aid Society, <i>New York, N. Y.</i> -----	38
New York Civil Service Commission, <i>New York, N. Y.</i> -----	2
New York Department of Education, <i>New York, N. Y.</i> -----	2
New York Fire Department, <i>New York, N. Y.</i> -----	2
New York Free Circulating Library, <i>New York, N. Y.</i> -----	1
New York Mercantile Library Association, <i>New York, N. Y.</i> -----	1
New York, New Haven and Hartford Railroad Co., <i>New Haven, Conn.</i> -----	1
New York Police Department, <i>New York, N. Y.</i> -----	8
New York Public Library, Astor, Lenox and Tilden Foundations, <i>New York, N. Y.</i> -----	3
New York Society for the Prevention of Cruelty to Children, <i>New York, N. Y.</i> -----	9
New York State Library, <i>Albany, N. Y.</i> -----	13

## LIST OF DONORS.

29

	Volumes or Pamphlets.
Newark Free Public Library, <i>Newark, N. J.</i> -----	10
Newberry Library, <i>Chicago, Ill.</i> -----	1
North Adams Public Library, <i>North Adams, Mass.</i> -----	1
North Carolina Agricultural Experiment Station, <i>Raleigh, N. C.</i> -----	166
North Carolina Geological Survey, <i>Raleigh, N. C.</i> -----	6
Northern Indiana Historical Society, <i>South Bend, Ind.</i> -----	3
Northwest Railway Club, <i>St. Paul, Minn.</i> -----	5
Northwestern University, <i>Evanston, Ill.</i> -----	2
Oahu College, <i>Honolulu, Hawaii</i> -----	1
Oakwoods Cemetery Association, <i>Chicago, Ill.</i> -----	1
Oberlin College Library, <i>Oberlin, O.</i> -----	1
Ohio Geological Survey, <i>Columbus, O.</i> -----	10
Ohio State University, <i>Columbus, O.</i> -----	1
Omaha Public Library, <i>Omaha, Neb.</i> -----	1
Ontario Bureau of Mines, <i>Toronto, Can.</i> -----	1
Ontario Department of Agriculture, <i>Toronto, Can.</i> -----	14
Ontario Department of Education, <i>Toronto, Can.</i> -----	1
Ontario Department of Insurance, <i>Toronto, Can.</i> -----	2
Peabody Institute, <i>Baltimore, Md.</i> -----	1
Peet, Rev. Stephen D., <i>Chicago, Ill.</i> -----	3
Peirce & Fisher, <i>Chicago, Ill.</i> -----	5
Pennsylvania State Library, <i>Harrisburg, Pa.</i> -----	76
Peoria Department of Public Works, <i>Peoria, Ill.</i> -----	1
Peoria Public Library, <i>Peoria, Ill.</i> -----	2
Philadelphia, Pa., <i>City of</i> -----	110
Philadelphia Board of Commissioners of Public Charities, <i>Philadelphia, Pa.</i> -----	24
Philadelphia Board of Health, <i>Philadelphia, Pa.</i> -----	34
Philadelphia Board of Public Education, <i>Philadelphia, Pa.</i> -----	32
Philadelphia City Controller, <i>Philadelphia, Pa.</i> -----	16
Philadelphia Department of Charities and Correction, <i>Philadelphia, Pa.</i> -----	15
Philadelphia Department of Public Safety, <i>Philadelphia, Pa.</i> -----	9
Philadelphia Electrical Bureau, <i>Philadelphia, Pa.</i> -----	4
Philadelphia Free Library, <i>Philadelphia, Pa.</i> -----	5
Phillips, P. Lee, <i>Washington, D. C.</i> -----	1
Phillips Academy, <i>Andover, Mass.</i> -----	1
Pierce, Sarah E., <i>Chicago, Ill.</i> -----	1
Pingree, Hon. Hazen S., <i>Lansing, Mich.</i> -----	10
Pratt, Dr. Earl M., <i>Oak Park, Ill.</i> -----	8
Pratt Institute Free Library, <i>Brooklyn, N. Y.</i> -----	6
Princeton University, <i>Princeton, N. J.</i> -----	42
Providence Athenæum, <i>Providence, R. I.</i> -----	1
Providence Journal Co., <i>Providence, R. I.</i> -----	1
Providence Public Library, <i>Providence, R. I.</i> -----	2
Public Library of New South Wales, <i>Sydney, Australia</i> -----	1
Public Rumiantzoff Museum, <i>Moscow, Russia</i> -----	1
Publishers' Weekly, <i>New York, N. Y.</i> -----	1
Putnam, Frederick W., <i>Cambridge, Mass.</i> -----	1
Quaritch, Bernard, <i>London, Eng.</i> -----	7

## LIST OF DONORS.

	Volumes or Pamphlets.
Queen & Co., <i>Philadelphia, Pa.</i> .....	8
Railroad Men, <i>New York, N. Y.</i> .....	1
Railway Age and Northwestern Railroader, <i>Chicago, Ill.</i> .....	1600
Railway and Engineering Review, <i>Chicago, Ill.</i> .....	1
Railway List Co., <i>Chicago, Ill.</i> .....	2
Reform Club, <i>New York, N. Y.</i> .....	1
Rensselaer Polytechnic Institute, <i>Troy, N. Y.</i> .....	1
Reynolds Library, <i>Rochester, N. Y.</i> .....	2
Risdon Iron Works, <i>San Francisco, Cal.</i> .....	2
Roberts Co., A. & P., <i>Philadelphia, Pa.</i> .....	1
Robinson, Henry A., <i>New York, N. Y.</i> .....	1
Rolfe, George William, <i>Boston, Mass.</i> .....	2
Roney, Henry B., <i>Chicago, Ill.</i> .....	125
Rose Polytechnic Institute, <i>Terre Haute, Ind.</i> .....	1
Royal Observatory, <i>Edinburgh, Scot.</i> .....	1
Royal Society of Canada, <i>Ottawa, Can.</i> .....	2
Rumford Chemical Works, <i>Providence, R. I.</i> .....	1
St. Giles Public Library, <i>London, Eng.</i> .....	1
St. Louis Mercantile Library Association, <i>St. Louis, Mo.</i> .....	1
Salem Public Library, <i>Salem, Mass.</i> .....	4
San Francisco Free Public Library, <i>San Francisco, Cal.</i> .....	3
San Francisco Mechanics' Institute, <i>San Francisco, Cal.</i> .....	1
Sanders, Frederick W., <i>Chicago, Ill.</i> .....	1
Sanitary District of Chicago, <i>Chicago, Ill.</i> .....	2
Scranton Public Library, <i>Scranton, Pa.</i> .....	3
Shea, Smith & Co., <i>Chicago, Ill.</i> .....	1
Sheppard, Isaac A., & Co., <i>Philadelphia, Pa.</i> .....	1
Silver Manufacturing Co., <i>Salem, O.</i> .....	1
Sintz Gas Engine Co., <i>Grand Rapids, Mich.</i> .....	1
Smiley, Albert K., <i>Lake Mohonk, N. Y.</i> .....	16
Smithsonian Institution, <i>Washington, D. C.</i> .....	8
Snyder, M. B., <i>Philadelphia, Pa.</i> .....	1
Sootheran, Henry, & Co., <i>London, Eng.</i> .....	1
South End Industrial School, <i>Roxbury, Mass.</i> .....	1
Southworth, George C. S., <i>Salem, O.</i> .....	1
Sperr, F. W., <i>Houghton, Mich.</i> .....	2
Squibb, Dr. Edward H., <i>Brooklyn, N. Y.</i> .....	2
Stadtbibliothek Zürich, <i>Zurich, Switzerland</i> .....	1
Stanley, Hiram M., <i>Lake Forest, Ill.</i> .....	1
State Historical Society of Wisconsin, <i>Madison, Wis.</i> .....	2
Stevenson, William M., <i>Allegheny, Pa.</i> .....	1
Strelinger, Charles A., & Co., <i>Detroit, Mich.</i> .....	2
Strong, William J., <i>Chicago, Ill.</i> .....	1
Sunset Club, <i>Chicago, Ill.</i> .....	1
Swank, James M., <i>Philadelphia, Pa.</i> .....	1
Swinnerton, Henry U., <i>Cherry Valley, N. Y.</i> .....	2
Sydney Observatory, <i>Sydney, Australia</i> .....	5
Table, Nathaniel Page, <i>Boston, Mass.</i> .....	1
Taylor, Charles F., <i>Philadelphia, Pa.</i> .....	2
Terminal Railroad Association of St. Louis, <i>St. Louis, Mo.</i> .....	2

LIST OF DONORS.

31

	Volumes or Pamphlets.
Texas Railroad Commissioners, <i>Austin, Tex.</i>	1
Toronto City Engineer, <i>Toronto, Can.</i>	1
Truax, Charles, <i>Chicago, Ill.</i>	1
Tufts College, <i>Tufts College, Mass.</i>	2
Tulane University, <i>New Orleans, La.</i>	1
United Hebrew Charities, <i>Chicago, Ill.</i>	1
United States Civil Service Commission, <i>Washington, D. C.</i>	1
United States Government, <i>Washington, D. C.</i>	534
United States Infantry and Cavalry School, <i>Fort Leavenworth, Kan.</i>	39
United States Interstate Commerce Commission, <i>Washington, D. C.</i>	2
United States National Museum, <i>Washington, D. C.</i>	4
United States Naval Observatory, <i>Washington, D. C.</i>	1
Université Laval, <i>Quebec, Can.</i>	1
University of California, <i>Berkeley, Cal.</i>	3
University of California, Agricultural Experiment Station, <i>Berkeley, Cal.</i>	2
University of Cambridge, <i>Cambridge, Eng.</i>	1
University of Chicago, <i>Chicago, Ill.</i>	66
University of Cincinnati, <i>Cincinnati, O.</i>	2
University of Illinois, Agricultural Experiment Station, <i>Urbana, Ill.</i>	2
University of Illinois, Astronomical Observatory, <i>Urbana, Ill.</i>	2
University of Illinois, Chicago College of Pharmacy, <i>Chicago, Ill.</i>	1
University of Iowa, <i>Iowa City, Ia.</i>	3
University of Michigan, <i>Ann Arbor, Mich.</i>	2
University of Minnesota, <i>Minneapolis, Minn.</i>	1
University of Nebraska, <i>Lincoln, Neb.</i>	19
University of Oregon, <i>Eugene, Ore.</i>	2
University of Pennsylvania, <i>Philadelphia, Pa.</i>	3
University of St. Andrews, <i>St. Andrews, Scot.</i>	1
University of Wisconsin, <i>Madison, Wis.</i>	5
Unknown	10
Vermont Inspector of Finance, <i>Rutland, Vt.</i>	1
Victoria Government Statist, <i>Melbourne, Australia</i>	4
Waring, Col. George B., through his daughter, E. B. Waring, <i>New York, N. Y.</i>	1
Warner, George E., <i>Minneapolis, Minn.</i>	4
Warvelle, George W., <i>Chicago, Ill.</i>	7
Washington University, <i>St. Louis, Mo.</i>	1
Western Camera Manufacturing Co., <i>Chicago, Ill.</i>	1
Western Railway Club, <i>Chicago, Ill.</i>	2
Western Society of Engineers, <i>Chicago, Ill.</i>	76
Westinghouse Electric and Manufacturing Co., <i>Pittsburg, Pa.</i>	14
Wilbur, Cressy L., <i>Lansing, Mich.</i>	1
Wilmington Institute, <i>Wilmington, Del.</i>	1
Winn, Henry, <i>Boston, Mass.</i>	5
Wisconsin Academy of Sciences, Arts and Letters, <i>Madison, Wis.</i>	2
Wisconsin Department of State, <i>Madison, Wis.</i>	1
Wisconsin State Board of Health, <i>Madison, Wis.</i>	9
Wood, Henry, <i>Boston, Mass.</i>	2
Woodbury, C. J. H., <i>Boston, Mass.</i>	2

## LIST OF DONORS.

	Volumes or Pamphlets.
Worcester County Law Library, <i>Worcester, Mass.</i> -----	1
Worcester Polytechnic Institute, <i>Worcester, Mass.</i> -----	1
Wyoming Experiment Station, <i>Laramie, Wyo.</i> -----	9
Yale University, <i>New Haven, Conn.</i> -----	2
Yerkes Observatory, <i>Williams Bay, Wis.</i> -----	6
Young, <i>Rev. Albert A., Chicago, Ill.</i> -----	11
Young Men's Mercantile Library Association, <i>Cincinnati, O.</i> -----	1
Zæhnsdorf, Joseph, <i>London, Eng.</i> -----	1
 Total -----	 5955

---

## NORMAN WILLIAMS.

At the annual meeting of the Corporation of the John Crerar Library, held January 18, 1900, the following memorial of the late President, Mr. Norman Williams, was presented by E. W. Blatchford, and ordered to be spread upon the records.

### TO THE BOARD OF DIRECTORS OF THE JOHN CRERAR LIBRARY.

*Gentlemen*,—Your committee upon whom was laid the duty of preparing a Memorial of our late honored President, Norman Williams, beg to present the following sketch. While a long and valued friendship would justify a more extended tribute, the material available at this time is necessarily limited, and the occasion permits but a sketch.

Mr. Williams was born in Montreal, Province of Quebec, on February 1, 1835. Both on his father's and mother's side he had a long line of honorable ancestry.

The branch of the family from which Norman Williams sprung entered Vermont in 1774. Captain Phineas Williams led his large family up the valley of the Connecticut, to the north-western part of Woodstock Township, where for sixty years the town records show them as leaders in town and county affairs, its representatives in Senate and House of Representatives, or holding office in the courts. Jesse Williams, the grandfather of the subject of this sketch, was appointed Associate Judge by the Governor, and subsequently Probate Judge for the Hartford district. Norman Williams, the father, was born in Woodstock in 1791, and was graduated from the University of Vermont in the class of 1810. After his admission to the bar, he married Mary Ann Wentworth Brown, members of whose family had filled important offices in the colonial government before the

Revolution, more than one having served as Governor of New Hampshire.

Mr. Williams' early education began at the public school in his native town, and was prosecuted at the Kimball Academy of Meriden, Connecticut, where his preparation for college was completed. He entered the University of Vermont (Burlington), where he was graduated in 1855, and began his law course in the Albany Law School, at the time one of the prominent schools of the country, continuing his studies in the office of Tracy, Converse & Barrett, in Woodstock.

Soon after Mr. Williams' admission to the bar, at the age of twenty-three, he came to our city, in October, 1858, where for over forty years he has been recognized as a citizen in whom centered, in a rare degree, elements of moral, intellectual, civic, social, and business influence, with a genius for friendship which bound to him irrevocably all who came within its attractive power. For two years Mr. Williams practiced his profession alone. In 1860 he formed a partnership with King & Kales, from which he withdrew in 1866, and associated himself with General John L. Thompson, under the firm name of Williams & Thompson, an association that continued till the death of General Thompson, in 1888, the firm later becoming Williams, Holt & Wheeler. Mr. Williams' thorough studies, and also his preference, naturally led him in his practice into fields of general business, in which his advice, founded on well-established principles of law and equity, secured for him an enviable reputation. In course of time it brought him into association as legal adviser, in their early day, with some of the business enterprises that have added largely to the wealth and reputation of our city. He was consulted in the organization of the Pullman Palace Car Company, and became a member of its Board of Directors. He early became interested in the practical applications of electrical science. His efforts secured for Chicago its first telephone, and he was the principal organizer of the Western Electric Company and the Chicago Telephone Company; was an expert in theoretical and practical electrical matters, which, added to his legal knowledge on these subjects, acquired by his connection with the patent suits involved, led to his appointment as United States Commissioner to the Paris Electrical Exposition in 1881.

On December 11, 1867, Mr. Williams was married to Caroline Sherrill Caton, daughter of Hon. John Dean Caton, Chief Justice of the Supreme Court of Illinois.

Your committee need hardly in this presence dwell upon Mr. Williams' special ability as a lawyer. The writer's first acquaintance with him as a legal counsellor was in deciding upon the constitution and by-laws of a corporation, new and peculiar in the trust involved and the duties to be administered. The breadth of his observation and the wisdom of his counsel were proved in the success of the enterprise. A brother lawyer says of him: "Mr. Williams was one of the best lawyers in the city. He did not appear much in the courts, but rendered tremendous service to his clients as a legal adviser. I venture to say that, until his health began to fail him, he was acknowledged by the legal profession as the leading business lawyer of Chicago. He was a man of fine conscience and great sagacity." Another writes: "The legal profession has sustained a great loss in the departure of Norman Williams. He was a lawyer of high attainments and success."

As a citizen Mr. Williams ever responded to calls made upon his time and influence. He was a stanch Republican, and though he never sought or held any political office, his advice was called for, and his voice was heard in favor of true, strong, upright political action. During our Civil War he was a constant supporter of the government. He was specially active in securing arms for the first regiment of colored troops recruited in our city, and in forming the Irish Republican Club, long a power for good. It has been well said of him: "He was a citizen deeply interested in the welfare of the community, in its philanthropies and charities, a man who had the soul of honor, and a Christian gentleman."

Mr. Williams was the guardian and adviser of large estates, and acted in many other responsible positions where good judgment, integrity, and honor were essentials. He was for many years a member of the Second Presbyterian Church, and chairman of its Board of Trustees. While an active worker in many departments of the strenuous life of this city, Mr. Williams found time for the cultivation of a literary taste which found expression in thoughtfulness for educational interests. In addition to

a membership in the Chicago and Calumet clubs, he was a member of the University clubs of this city and New York, and a charter member of the Literary Club of Chicago. He was a Director of the Chicago Public Library, and gave thought and personal labor to the direction of this institution at its formative period, some of the results of which labors are doubtless recognized in its present useful and influential career. Some of the enthusiasm of his work in the John Crerar Library may be traced to this earlier experience in our city institution. In connection with his brothers and sisters, he resigned his share in the old homestead at Woodstock, dedicating it to the uses of a public library, which was founded and endowed by his brother, the late Edward Harrison Williams, of Philadelphia, and named after their father, "The Norman Williams Public Library." Norman Williams planned its incorporation, was the first President of its Board of Trust, and gave to the details of its administration, and the admirable planning of the building itself, his time and thought.

But at this time it is particularly in his relation to us, as the first President of the Board of Directors of the John Crerar Library, that your committee would present a memorial.

When his long time and intimate friend, John Crerar, planned his magnificent gift to the city to which he owed his wealth, it was natural that he should choose to carry out his beneficent plans a man so eminently fitted by ability, taste, and experience for the responsible position. Thus was Mr. Williams permitted to give the closing years of an eminently useful life to laying the foundations and planning the administration of an institution in which was embodied his literary taste, his desire for the largest benefit to his fellow-citizens, his experience, his observation and study of libraries and consultation with distinguished librarians throughout the world. Here for these years has he presided at our Directors' meetings; every detail in the administration of our library in hand, suggesting wise action, and inspiring confidence by his own broad views and prompt, clear decisions. Here has been manifested that geniality of temper which constituted an attractive charm, never absent from his countenance and manner. Here, in the Directors' Room, will he be missed as we gather from time to time. Back of the President's chair the

life-size portrait of the founder of the library looks down upon us. May we not here have a portrait of him into whose faithful hands John Crerar intrusted the inception of his inestimable gift?

At the quarterly meeting of our Board held on April 9, 1898, Mr. Williams presided for the last time. Already illness had appeared, to the alarm of his friends. Soon thereafter he left for his seaside home at Little Boar's Head, Rye Beach, New Hampshire, where, after a long-continued and heroic struggle against disease, on June 19, 1899, he quietly passed away. He left a widow and three children—Laura, wife of Major-General Wesley Merritt; Mary Wentworth Williams; and a son, Norman Williams, Jr.

Many are the men whom the Green Mountain State that bore Norman Williams has given to our city. Its rugged hills, its patriotic traditions, its colonial history, its soundness of faith, its heroic responses in every struggle of the Republic, develop a manhood whose influence in professional and business pursuits has been incorporated into the very fiber of our city's life.

To the number of these men who have joined the majority do we now add the name of one, the genial light of whose countenance, the beauty of whose character, and the warmth of whose friendship will ever dwell with us—

NORMAN WILLIAMS.

E. W. BLATCHFORD,  
S. J. MCPHERSON,  
H. W. BISHOP.

Chicago, January 18, 1900.



29961  
actr.



Harrison W. Faust

THE  
**JOHN CRERAR LIBRARY**

SIXTH ANNUAL REPORT

FOR THE YEAR

1900



CHICAGO  
PRINTED BY ORDER OF THE BOARD OF DIRECTORS

1901



## OFFICERS, 1901

---

*President*

PETER STENGER GROSSCUP

*First Vice-President*

HENRY W. BISHOP

*Second Vice-President*

THOMAS D. JONES

*Secretary*

ARTHUR J. CATON

*Treasurer*

WILLIAM J. LOUDERBACK

*Librarian*

CLEMENT W. ANDREWS

---

## BOARD OF DIRECTORS

---

MARSHALL FIELD

E. W. BLATCHFORD	PETER STENGER GROSSCUP
ROBERT T. LINCOLN	ARTHUR J. CATON
HENRY W. BISHOP	MARVIN HUGHITT
ALBERT KEEP	THOMAS D. JONES
JOHN M. CLARK	JOHN J. MITCHELL
FRANK S. JOHNSON	LEONARD A. BUSBY

---

## STANDING COMMITTEES

---

*Finance*

MARSHALL FIELD

ALBERT KEEP JOHN J. MITCHELL

*Administration*

E. W. BLATCHFORD

LEONARD A. BUSBY

MARVIN HUGHITT

*Buildings and Grounds*

JOHN M. CLARK

ROBERT T. LINCOLN

HENRY W. BISHOP

*Books*

FRANK S. JOHNSON

ARTHUR J. CATON

THOMAS D. JONES

## DIRECTORS, 1894-1901

---

NORMAN WILLIAMS	-	-	-	-	1894-1899*
HUNTINGTON W. JACKSON	-	-	-	-	1894-1901*
MARSHALL FIELD	-	-	-	-	1894-
E. W. BLATCHFORD	-	-	-	-	1894-
T. B. BLACKSTONE	-	-	-	-	1894-1899†
ROBERT T. LINCOLN	-	-	-	-	1894-
HENRY W. BISHOP	-	-	-	-	1894-
EDWARD G. MASON	-	-	-	-	1894-1895†
ALBERT KEEP	-	-	-	-	1894-
EDSON KEITH	-	-	-	-	1894-1896*
SIMON J. MCPHERSON	-	-	-	-	1894-1899†
JOHN M. CLARK	-	-	-	-	1894-
GEORGE A. ARMOUR	-	-	-	-	1894-1899†
FRANK S. JOHNSON	-	-	-	-	1896-
PETER STENGER GROSSCUP	-	-	-	-	1897-
ARTHUR J. CATON	-	-	-	-	1900-
MARVIN HUGHITT	-	-	-	-	1900-
THOMAS D. JONES	-	-	-	-	1900-
JOHN J. MITCHELL	-	-	-	-	1900-
LEONARD A. BUSBY	-	-	-	-	1901-

\*Deceased

†Resigned

## OFFICERS, 1895—1901

### *Presidents*

<b>NORMAN WILLIAMS</b>	- - - - -	1895—1899
<b>HUNTINGTON W. JACKSON</b>	- - - - -	1900—1901
<b>PETER STENGER GROSSCUP</b>	- - - - -	1901—

### *First Vice-Presidents*

<b>EDWARD G. MASON</b>	- - - - -	1895
<b>HUNTINGTON W. JACKSON</b>	- - - - -	1896—1900
<b>PETER STENGER GROSSCUP</b>	- - - - -	1900
<b>HENRY W. BISHOP</b>	- - - - -	1901—

### *Second Vice-Presidents*

<b>MARSHALL FIELD</b>	- - - - -	1895—1899
<b>PETER STENGER GROSSCUP</b>	- - - - -	1899—1900
<b>HENRY W. BISHOP</b>	- - - - -	1900—1901
<b>THOMAS D. JONES</b>	- - - - -	1901—

### *Secretaries*

<b>GEORGE A. ARMOUR</b>	- - - - -	1895—1900
<b>ARTHUR J. CATON</b>	- - - - -	1900—

### *Treasurer*

<b>WILLIAM J. LOUDERBACK</b>	- - - - -	1895—
------------------------------	-----------	-------

### *Librarian*

<b>CLEMENT W. ANDREWS</b>	- - - - -	1895—
---------------------------	-----------	-------

## LIBRARY STAFF, 1900

<i>Librarian</i>	- - - - -	<b>CLEMENT W. ANDREWS</b>
<i>Assistant Librarian</i>	- - - - -	<b>ANDERSON H. HOPKINS</b>
<i>Cataloguer</i>	- - - - -	<b>AKSEL G. S. JOSEPHSON</b>
<i>Reference Librarian</i>	- - - - -	<b>HARRY A. MILLIS</b>
<i>Assistant Cataloguer</i>	- - - - -	<b>MARY E. HAWLEY</b>
<i>Assistant Reference Librarian</i>	- - - - -	<b>CAROLINE MILES HILL</b>

### *Senior Assistants*

<b>EDITHA C. PHELPS</b>	<b>CHARLOTTE H. FOYE</b>
<b>SARAH S. DICKINSON</b>	<b>ELEANOR ROPER</b>
<b>CLARENCE W. PERLEY</b>	

### *Junior Assistants*

<b>MARY EMILY MILLS</b>	<b>LESTER C. BAILEY</b>
<b>CHARLES WITT</b>	<b>ELIZABETH MONTROSS</b>
<b>GERTRUDE FORSTALL</b>	<b>WILLIAM E. GODSO</b>
<b>MARGARET E. ZIMMERMAN</b>	<b>PAULINE GUNTHORP</b>
<b>ANNIE LOUISE O'NEILL</b>	

### *Attendants*

<b>ROBERT M. BUCK</b>	<b>DOUGLAS CALHOUN</b>
<b>ASHLEY T. CONRAD</b>	<b>EDGAR T. KONSBERG</b>
<b>WALTER D. NASH</b>	

### *Pages*

<b>WM. FREDERICK RODGER</b>	<b>EDWARD E. JAHNKE</b>
<b>EDWARD RAY</b>	

<i>Janitor</i>	- - - - -	<b>THEODORE F. WILLIAMS</b>
<i>Assistant Janitor</i>	- - - - -	<b>WILLIAM R. BICKHAM</b>

## REPORT OF THE PRESIDENT.

TO THE BOARD OF DIRECTORS OF THE JOHN CRERAR LIBRARY.

*Gentlemen*.—At the last annual meeting the following gentlemen were elected to serve as directors to fill vacancies: Arthur J. Caton, Marvin Hughitt, Thomas D. Jones, and John J. Mitchell.

The Library has suffered a great loss in the death of its President, Colonel Huntington W. Jackson. To his sincere love for books, and his belief in their lasting benefit, he added a personal love of The John Crerar Library, and of its founder. I call the attention of the Board to the propriety of hanging his portrait, and the portrait of the late Norman Williams, in the Library building.

The year past has been made notable by the occupation of the new rooms on the fifth floor and by the appearance of the first publication of the Library.

The report of the Treasurer shows that, notwithstanding the considerable expense, more than \$9,000, for fitting up the new rooms, the surplus of the year, over \$65,000, is larger than for any year since the first. If added to the Building Fund, it will make that fund amount to nearly \$320,000. The estimates of the income for next year show an increase, and the total is now considerably larger than was thought probable when the Library was organized.

The report of the Librarian gives the details of the administration of the Library. It will be seen that there has been a gratifying increase in the use made of the Library. The number of visitors was more than 41,500, a gain of nearly 7,000; and the total use over 95,000 books and periodicals, a gain of twenty per cent over last year. There have been added during the year 10,422 volumes, making the total accessions to January 1, 1901, 65,445 volumes.

Respectfully submitted,

PETER STENGER GROSSCUP,

Chicago, January 17, 1901. Acting President.

## REPORT OF THE TREASURER.

### STATEMENT OF FINANCES FOR YEAR 1900.

#### CASH.

Cash on hand December 31, 1899:

In bank	- - - - -	\$ 10,471.84
Librarian, petty cash	- - - - -	<u>80.65</u>
		<u>\$ 10,552.49</u>

#### RECEIPTS.

Collections account income - - - - - **\$155,486.48**

Bills Collectable - - - - - **72.14**

Investments:

Bonds	- - - - -	\$ 70,430.95
Mortgage Loans	- - - - -	37,500.00
Stocks	- - - - -	961.30
Special Deposits	- - - - -	<u>375,520.23</u>
		<b>484,412.48</b>

Bills Payable	- - - - -	<u>25,000.00</u>
		<b>664,971.10</b>
		<b><u>\$675,523.59</u></b>

#### DISBURSEMENTS.

Audited Vouchers - - - - - **\$ 95,929.29**

Investments:

Bonds	- - - - -	\$103,849.95
Stocks	- - - - -	23,100.00
Special Deposits	- - - - -	1,877.54
Bills Receivable	- - - - -	400,000.00
		<b>528,827.49</b>
Bills Payable	- - - - -	<u>25,000.00</u>
		<b><u>\$649,756.78</u></b>

Cash on hand December 31, 1900:

In bank	- - - - -	\$ 25,602.39
Librarian, petty cash	- - - - -	<u>164.42</u>
		<b><u>\$ 25,766.81</u></b>

## REPORT OF THE TREASURER.

9

## OPERATION.

INCOME	-	-	-	-	\$157,285.08
--------	---	---	---	---	--------------

## EXPENSE.

## Administration:

Rent, Light, etc.	-	\$16,837.06
Salaries, Wages	-	26,841.54
Supplies	-	1,191.82
Printing	-	2,464.21
Transportation, Postage	-	621.02
Sundries	-	<u>4,346.66</u>
		\$52,302.31

## Books:

Books	-	\$16,919.44
Periodicals	-	4,261.27
Binding	-	6,570.60
Lettering, Repairs	-	<u>1,261.00</u>
		\$29,012.31

## Buildings and Grounds:

Repairs	-	\$9,035.53
Depreciation	-	<u>1,788.98</u>
		\$10,824.51
		\$ 92,139.13

## Surplus for year 1900:

Carried to Building Fund	-	-	-	\$ 65,145.95
--------------------------	---	---	---	--------------

## ASSETS

Bonds	-	\$1,792,969.48
Stocks	-	989,682.00
Mortgage and Other Loans	-	910,000.00
Furniture and Fixtures	-	16,100.83
Book Investment	-	131,192.53
Accounts Receivable	-	750.00
Cash	-	<u>25,766.81</u>
Total	-	\$3,866,461.65

## LIABILITIES.

Endowment Fund	-	\$3,400,000.00
Building Fund	-	319,069.34
Book Fund	-	131,192.53
Security Reserve Fund	-	<u>16,199.78</u>
Total	-	\$3,866,461.65

During the year the Security Reserve Fund reached the amount of \$66,199.78, of which, by order of the Board, there was transferred to Endowment Fund \$50,000.00, thus placing the Endowment Fund at \$3,400,000.00, and leaving an ample balance in the Security Reserve Fund.

The Building Fund has been increased by the amount of the surplus for the year, viz., \$65,145.95, making a total to the credit of that Fund of \$319,069.34.

The Book Fund has been increased by the amount of the investment during the year, less depreciation, and now stands at \$131,192.53.

Insurance is in force covering the property of the Library in amounts as follows:

Books	- - - - -	\$106,000.00
Furniture, Fixtures and Decorations	- - - - -	14,000.00
Portraits	- - - - -	6,000.00
Type and Cases	- - - - -	2,900.00
		<hr/>
		\$128,900.00

Wm. J. LOUDERBACK,

Treasurer.

Chicago, January 17, 1901.

---

Having completed a thorough examination of the books of account and vouchers of The John Crerar Library for the twelve months ended December 31, 1900, and verified the bank balances and securities on hand as at the close of the year and found everything in order, we hereby certify that the foregoing statements of account accurately represent the transactions of said period and the financial condition of The John Crerar Library as at December 31, 1900.

SMITH, RECKITT, CLARKE & Co.,

Public Accountants,

Chicago, February 27, 1901.

169 Jackson Blvd., Chicago.

## REPORT OF THE LIBRARIAN.

TO THE BOARD OF DIRECTORS OF THE JOHN CRERAR LIBRARY.

*Gentlemen*.—Again I would ask permission to express the sorrow and regret which the members of the library staff feel at the loss of our President. They have had necessarily the most direct relations with Colonel Jackson, as Chairman of the Committee on Administration, and from him they have had such sympathetic consideration as to make his death a personal loss to them.

Though overshadowed by this loss, the retrospect for the past year and the prospect for the future of the library appear very favorable. The library has had its means of usefulness largely increased, and it is hoped that this sixth annual statement will show that good use has been made of these facilities.

On May 14, the library was put in possession of the additional room, on the fifth floor, provided for in the new lease. Reconstruction began on June 4, and was practically finished by the first of August. The work of moving one-half the books to the new stack was finished and the rooms actually in use by the first of September. As stated in the report for 1899, these rooms include a stack-room, which now has shelves for 60,000, and which can be made to hold 68,000 volumes (the total capacity of all our shelf room is about 135,000 volumes); a room for society meetings, which will seat thirty persons comfortably; a lunch-room for the staff; and a room for the charwomen. The stack is the latest form of Library Bureau stack, a great improvement on our old form, yet considerably cheaper than it. The arrangement of the seats for readers is also different; small tables, two feet by three, are provided, placed against the ends of the stacks nearest the outside windows, instead of long tables in alcoves between the stacks. The new arrangement appears to give satisfaction; certainly the light thus obtained is much better, and the privacy of an individual table is agreeable. Partly because

of this improved accommodation, the section of books to be shelved in the new stack was made to include, as far as possible, those which are read most by readers admitted to the stack, and least called for from the Reading Room. It included all of the departments of Social and Natural Sciences, and a part of that of General Works, particularly the long sets of publications of learned societies.

Certain changes have been made in the use of the administration rooms on the sixth floor. The former lunch-room for employees has been taken for the combined work of the supply and bindery clerk, the former supply-room has been fitted up for the work of shelf-marking the books, and the janitor now has the use of the whole of his room. These changes have made the work of administration much easier.

From an examination of the first table of library statistics, which gives the monthly and average daily attendance, recorded use of books and periodicals, and number of visitors admitted to the stack, it will be seen that there were recorded 41,697 visitors to the library, an average of 134 for each day it was open; slips for 23,986 books and 8,667 periodicals were presented and filled, and 1,019 visitors admitted to the stack. A comparison of these figures with those for previous years will be found in the same table. The smallest attendance on any one day was 35, on July 4, and the largest 282, on November 3. The average evening attendance has been 30, an increase of 8 over last year, and therefore a larger increase proportionately than in the day attendance. It is the maximum which the Committee expected when they recommended evening opening.

In making the comparison between this year and last, two minor points of difference should be noted. One is that the library has been open every week-day throughout the year, except January 1; and the other that since the new Society Room, with its separate entrance, has been in use the attendance at meetings there is not recorded. The latter fact makes less apparent the real gain, especially in the evening attendance. The Committee on Administration has now granted the use of the room to five societies, viz: Bibliographical Society of Chicago, Chicago Entomological Society, Chicago Mycological Society, Illinois Association of Public Accountants, and Institute

of Education. As a rule, these societies meet once a month for eight months in the year, and have an average attendance of about twenty.

The other point mentioned, the opening of the library on holidays, presents some facts of interest. The attendance on the legal holidays has been as follows:

DAY	DATE	RECORDED ATTENDANCE	AVERAGE FOR MONTH	RATIO
Lincoln's Birthday	Feb. 12	161	149	1.08
Washington's Birthday	Feb. 22	152	149	1.02
Memorial Day	May 30	71	121	.58
Independence Day	July 4	35	112	.31
Labor Day	Sept. 3	133	127	1.05
Election Day	Oct. 9	123	135	.91
Thanksgiving	Nov. 29	60	155	.39
Christmas	Dec. 25	62	143	.43
New Year's Day	Jan. 1, 1901	92	(143)	.64

As would be expected, those legal holidays which are not generally observed show very little difference from the average of the month, while the others show a marked decrease in the attendance. Nevertheless, the total attendance would seem to justify holiday opening, especially as these figures do not tell the whole story. A detailed record of the use made of the library on Christmas and New Year's proves that the diminution in the use is much less than in the attendance. It was found, for instance, that only seven per cent entered the library without reading, as against twenty per cent on ordinary days. Also the proportion of readers drawing books from the stack, which is the more serious use of the library, was distinctly greater. The proportion of women was very much less, being only six per cent, instead of more than twenty.

The record confirms, as far as it goes, the calculations of previous years as to the ratio of total to recorded use, so that we are justified in assuming that the total use of the library in 1900 has been more than 95,000 volumes and periodicals.

In this connection it may be well to state that there are occasional requests for Sunday opening, but that the total number is so small as to indicate that the Directors have not underestimated the demand.

The detailed classification of the call-slips and admissions to the stack is given in the second table of library statistics.

The following comparison of the totals and percentages for each department, with the corresponding figures for 1899, shows that the rate of increase in the use of books and periodicals drawn on call-slips is very nearly the same for all departments.

	RECORDED USE				ADMISSIONS TO STACK			
	1899		1900		1899		1900	
	Total	Percent- age	Total	Percent- age	Total	Percent- age	Total	Percent- age
General Works	6,150	23	7,461	23	130	13	122	12
Social Sciences	4,048	15	5,184	16	133	13	139	14
Physical Sciences	3,752	14	4,412	13	306	30	208	20
Natural Sciences	1,804	7	2,365	7	190	19	260	26
Applied Sciences	11,147	41	13,231	41	258	25	290	28

The full table shows clearly the special character of the reading done in the library. The largest single subject is Engineering, the next Physics (including Electricity), though if Chemistry and Chemical Technology be added together, it will be seen that the chemists are a very good second to the engineers. It is only after these that we reach one of the subjects (History and Geography) which figure largely in the statistics of most libraries. The table shows few exceptions to the rule of an increase in every subject; but one at least, the nearly stationary position of Physics, is hard to understand.

The very small increase in the admissions to the stack is more easily explained. It is partly due to the fact, indicated in last year's report, that the number in the Physical Sciences in 1899 was abnormally large, because of some special work of translation, and partly to a somewhat more successful attention to the wants of readers in the Reading Room, due to increased efficiency with practice of the Reference Librarian and his assistants and to the increasing effectiveness of the cataloguing. Twelve passes have been granted during the year, making a total of 54, of which 35 have been used 404 times. The remaining 615 admissions have been on registration.

Though slightly greater than in 1899, the average time required to fill calls was only 1.64 minutes, and as 90 per cent of the calls were filled in two minutes and 94 per cent in three minutes, as against 88 per cent and 96 per cent respectively in 1899, it is evident that neither the distribution of the books over two floors nor the increased demand has prevented satisfactory service.

There has been one change of consequence in proportional distribution of readers among the different sections of the city, shown in the following table of percentages:

	1897	1898	1899	1900
South Side .....	34	35	38	38
North Side .....	19	26	24	24
West Side .....	21	22	21	23
Business District .....	14	10	10	7
Out of Town .....	12	7	7	8

The diminution in the proportion of readers registering from the business district is in itself rather to be welcomed, at least so far as it indicates an increasing appreciation of the usefulness of the library throughout the city, but unfortunately this year it is so great as to indicate a diminution in the actual number of readers from this district.

The first regular publication of the library, other than its annual reports, has appeared during the year. This is the "List of Books in the Reading Room, January, 1900," a book of 251 pages. It is of bibliographical interest as being the first book, so far as known to me, printed from electrotyped titles, as proposed by Mr. Jewett, the librarian of the Smithsonian Institution, a half-century ago. In spite of a certain irregularity in the make-up, which seems to be unavoidable, its typographical appearance is pleasing and the general result satisfactory. Much credit is due to the printers, Messrs. R. R. Donnelley & Sons Co., for their care and attention, which contributed largely to this result.

Of course one of the most important items of interest is the cost. The actual cost, not including the electrotypes, and omitting cents, was \$321. Of this amount, however, \$51 was for experimental and preliminary work, and at least \$63 for the cover, title-page, contents, and index, leaving a balance of \$207 as the cost of 228 pages of list, or 90 cents a page. The cost of electroplating, cutting apart and storing the electrotypes is 60 cents a page, so that the total cost of the first edition is \$1.50 a page. The charge for making up, however, was very much greater than it need be. The necessary first cost of a similar bulletin should not exceed \$1.30 a page, and might be brought down to \$1.15; a second edition would cost only from 55 cents to 70 cents, as the cost of the electrotypes would be eliminated.

On the other hand, in making comparisons with bulletins set from type it must be remembered that these titles are set in small pica (11-point) and brevier (8-point), heavily leaded, and with a separate line for the heading. By setting more closely in smaller type, and condensing, the number of pages could be reduced one-third. The relation of the main items of cost of the two methods would stand somewhat as follows:

	ELECTROTYPE 228 PAGES	TYPE 155 PAGES
Composition	—	\$230
Electrotypes	\$137	—
Make-up	68	—
Presswork, 500 copies	52	35
Paper, 500 copies	47	30
Proof-reading in library	—	57
 Total	\$304	\$352

These figures show a sufficient economy, even on the first edition, to justify the continuation of the present methods, provided that 700 pages of bulletins are printed each year, and provided, also, that the type from which the electrotypes are made can be obtained as now. If, however, the arrangements for co-operative cataloguing furnish printed cards but not electrotypes which can be used with our stock, the conditions are altered, and the library will have to reconsider the whole question. It may be found desirable, for instance, to use the co-operative plan only to secure copy for our printer, or, again, to reset for the bulletins in smaller type, and then to electroplate and separate the titles, thus obtaining for all editions after the first an economy even greater than now.

Although this bulletin was not intended for general distribution, enough requests for it were received to make necessary the determination of the policy of the library in the matter. Upon consideration, the Directors decided that the publications of such a character as this should not be distributed gratuitously, but sent in exchange or sold at a nominal price, to be determined by the Committee on Administration. Accordingly a price of 20 cents at the library, or 30 cents by mail, was asked for the few copies sold. The distribution of the edition of 500 copies has been as follows: used in library, 5; to exchanges, 262; com-

plimentary copies to Directors, staff, press and others, 84; sold, 34; reserved for correction of second edition, 50; available for distribution, 65.

The preparation of the Fifth Annual Report, a pamphlet of 37 pages, was delayed somewhat in order to include the memorial and portrait of Mr. Williams, so that it was not ready for distribution until May. The usual edition of 4,000 copies was printed.

The work on the "List of Periodicals Currently Received" has progressed, and it will be sent to the printer as soon as those for 1901 can be included. The work on the Union List also has progressed, though much more slowly than was anticipated. The importance of this list to the library is so great that arrangements should be made to keep it up to date by the issue of annual supplements.

The distribution of one copy of each of our printed catalogue cards to the seven libraries previously supplied was continued throughout the year. On January 2, 1901, however, the Newberry Library returned those which had been sent to it with the statement that they regretted that they could not use them. In view of the fact that neither the expense to the receiver for the arrangement and storage of 6,000 cards a year, nor the cost of stock to the John Crerar Library, is inconsiderable, it seemed desirable to ascertain whether or not any other recipient would wish to have them discontinued. The answers to the inquiry, however, were most reassuring as to their usefulness both to the public and to the library administrations. The different experience of the Newberry Library must be attributed, therefore, to an understanding on the part of the public, more complete than could be reasonably expected, of the differentiation of the reference libraries of the city.

The changes in routine mentioned in the last report have approved themselves by their results. No further changes of consequence have been introduced.

The work of selection and ordering has gone on with fair regularity. Especial attention has been given to the Natural Sciences and part of the Applied Sciences, particularly Engineering. The consequent deficit in the appropriation for Natural Sciences was reported to the Directors, and met by a transfer from that for Physical Sciences. Because of the unexpected filling

of orders for some long sets after they had been reported unobtainable, the orders in the Applied Sciences also exceeded the appropriation, but by so small an amount as to make a transfer unnecessary. During the year, 4,701 orders have been given. Of these, 337 failed or were canceled, leaving 4,364 valid orders, covering 7,468 volumes, at an estimated cost of \$14,402.37. Of outstanding orders, 4,751 were filled, covering 8,515 volumes, at a cost of \$16,919.44, leaving outstanding 711 orders, covering 1,983 volumes, at an estimated cost of \$4,909.26. The classification of the orders of the year and of the total to date, as well as of the estimated cost of each, is given in the second table of library statistics.

In connection with the plans for co-operative cataloguing, it has seemed desirable to learn the numbers of current American and foreign books ordered. An examination of the order sheets showed that in 1900 633 orders were given for new American works, that is, books published in 1898, 1899 or 1900, while 1,156 orders were given for new foreign works. As books printed in Great Britain are included in the foreign orders, it is probably true that about one-half of those ordered are in foreign languages; but this equality does not hold for books on the shelves, because the gifts are almost wholly works in English.

The total accessions for 1900 have been 10,560, of which 2,045 have been received by gift and 8,515 obtained by purchase. Volumes made by binding periodicals are included in these figures. There have been withdrawn 138 volumes, leaving the net accessions for the year 10,422, making, with the 55,223 reported for 1899, a total number now on the books of 65,645. The classification of the accessions of the year and of the total now in the library is shown in the second table of library statistics. It will be seen that the growth of the library is fairly symmetrical, the totals and the percentage in each department being as follows:

DEPARTMENT	ACCESSIONS 1900		TOTAL IN LIBRARY	
	VOLUMES	PERCENTAGE	VOLUMES	PERCENTAGE
General Works.....	1,710	16	13,590	21
Social Sciences.....	2,537	24	16,106	24
Physical Sciences.....	1,798	17	10,380	16
Natural Sciences.....	1,509	15	9,134	14
Applied Sciences.....	2,868	28	16,435	25

The total number of periodicals currently received was 2,017, of which 396 were received as gifts and 1,618 obtained by subscription at an actual cost of \$4,261.27.

The more notable purchases of the year include a set of *Biologia Centrali-Americana*, bought of Quaritch; sets of *Palæonto-graphica* and the publications of the Palæontographical Society; and a considerable collection of sets of English engineering periodicals, bought of Batsford. There were 3,829 gifts received from 545 donors, of which 2,045 were entered in the accession book; the figures for 1899 were 5,879, 459, and 3,108, respectively. The decrease in the number of gifts is due to the absence of any large collections such as were received in 1898 and 1899; the increase in number of donors, probably, partly to an increase in the public interest in the library and partly to an increase in the exchange list. Among the more noteworthy gifts are sets of state documents from the State Libraries of Massachusetts and New Jersey, and sets of publications from Cambridge, England, and Sydney, New South Wales, Observatories. The library is indebted also to Hon. Shelby M. Cullom for its designation to receive the publications of the United States Geological Survey.

As the rearrangement of all the books incidental to the occupation of the new stack-room gave an opportunity to correct misplacements, it was not thought necessary to check the shelf-list during the year, especially as it is known, from regular and frequent examinations, that only one volume has disappeared from the shelves in the Reading Room.

During the year, 5,574 volumes have been sent to the binders and 5,431 received from them, leaving 350 at the bindery on January 1, 1901. The cost of binding was \$6,570.60, an average of \$1.19 per volume. The cost of lettering and repairs, including a considerable number of changes in classification, as well as the care of the 10,000 accessions, has been \$1,261.

Not only have all accessions of the year been catalogued, but by means of the extra assistance provided by the Committee on Administration, it has been possible to materially reduce the accumulation of uncatalogued volumes. The Cataloguer reports that 5,504 new titles have been prepared for print, 94 new titles typewritten, 268 old typewritten titles prepared for print, 532

old printed titles recatalogued, 592 titles prepared for the co-operative analysis of current serials, 580 titles from British Blue Books, and 1,070 such titles, prepared by other libraries, classified for our catalogues. The total number of titles treated by the Cataloguer and his assistants, therefore, is 8,640. It has been found necessary to reprint 100 titles on account of errors. Cards for 6,117 titles have been received from the printer, and 5,276 electrotypers. The total number of separate titles prepared is 25,520; of sets of cards received, 24,272; of electrotypers, 23,354.

The co-operative analysis of serials has been continued. This library has furnished 1,172 titles, and has received cards for 3,264, at a net cost of \$71.12. Cards for 1,517 have been filed in the catalogues during the year, making a total of 2,327. The classed subject catalogue now contains some 26,500 titles on 49,500 cards, an average of 1.88 cards to a title; the author catalogue contains the same 26,500 titles on 41,000 cards, an average of 1.56 cards to a title. The distribution of the entries in the classed subject catalogue is shown in the second table of library statistics. Some 2,300 guide cards for the alphabetical subject catalogue have been printed, and it is hoped that this preliminary work can be completed in 1901 and a beginning made on the actual filing of cards in this section of the catalogue.

In preparing this subject index a difficulty was met which led to the expansion of the classed catalogue in a way which is believed to be novel, and which it is hoped may prove useful. The difficulty was that of arrangement under names of countries. The elaborate scheme of the Boston Public Library was examined carefully and revised, but without satisfactory results. In the course of the discussions it became evident that the desired ends could not be reached through any alphabetical arrangement, since parts of a country would be separated from the country itself. Finally, it was agreed that the best way to obtain what was wanted would be through the classed rather than through the alphabetical catalogue. Consequently, it was decided to make in the former, under the place, an additional entry of all titles capable of this treatment, and to make a subordinate arrangement by the first three figures of the main classification.

The result is not only that works on adjacent places are brought together, for example, Illinois next to Michigan; and works on part of a country immediately follow those on the whole country, for example, works on Chicago following those on Illinois; but also under each place related subjects are brought together, for example, 977.3 (570) *Natural History of Illinois*—977.3 (581) *Flora of Illinois*—977.3 (591) *Fauna of Illinois*.

The prospect for a trial of co-operative cataloguing in the immediate future is now very bright. The Librarian has been appointed chairman of a committee to advise the Publishing Board of the American Library Association in the matter, and that committee has in hand arrangements which it is hoped will enable the Publishing Board, under the Public Printing Act, to obtain from the Library of Congress catalogue cards for all books receiving American copyright, and to distribute them as wanted, at a cost much less than the mere cost of printing to a single library. If the libraries respond as generally as it is hoped they will, the committee will then prepare plans for the cataloguing of current foreign books.

The Librarian attended on this business a conference of university librarians, held at Columbia University, March 9, and meetings of the Publishing Board at New York on November 23 and December 8. The library has been represented officially by the Librarian, and unofficially by the Assistant Librarian and two other members of the staff, at the annual meeting of the American Library Association, at Montreal, June 7 to 12. It has been represented officially by the Assistant Librarian, and unofficially by another member of the staff, at the annual meeting of the Illinois State Library Association, at East St. Louis, February 21 to 23. Nor is the influence of the library confined to these official representations. The Assistant Librarian is chairman of the Cataloguing Section of the American Library Association, and is a member of the recently appointed committee to prepare rules for printed catalogue cards; and other members of the staff are secretaries of the Bibliographical Society of Chicago, the Illinois State Library Association, and the Chicago Library Club.

The changes in the staff have been more numerous than is best for the good administration of the library. Miss Johnson,

Miss Horne, and Mr. Irving, junior assistants, Messrs. Sherlock and Camp, attendants, and Charles Gregory, page, have left the service. The withdrawal of Miss Horne, on account of her approaching marriage, was especially a loss. Her services were very faithful and efficient, and her promotion would have been recommended. The pressure on the Reference Desk caused by the increasing demands of the public has been met by provision for an Assistant Reference Librarian, to serve in the mornings only, and the place has been filled by the appointment of Mrs. Caroline Miles Hill, Ph.D. (University of Michigan). Mr. Clarence W. Perley, a graduate of the Massachusetts Institute of Technology, has been appointed senior assistant, and placed in charge of the classification, and also of the new stack-room. Miss Pauline Gunthorp, Miss Annie Louise O'Neill, and Mr. William E. Godso have been appointed junior assistants; Messrs. Douglas Calhoun, Ashley T. Conrad, Walter D. Nash, and Edgar T. Konsberg, attendants; and Edward Ray, page. Some of these appointments were to fill vacancies caused by the resignations mentioned, others to fill the new places provided by the Directors for the proper administration of the increased space occupied by the library.

In spite of these changes, the Librarian hopes and believes that the reputation of the library for efficient and courteous service has not suffered.

Respectfully submitted,

CLEMENT W. ANDREWS,  
Librarian.

Chicago, January 17, 1901.

**LIBRARY STATISTICS: I.**  
 RECORD OF ATTENDANCE AND USE FOR 1900.

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.	TOTAL 1900	TOTAL 1899	INCREASE PER CT.
Visitors	3627	3584	4114	3568	3280	3466	2901	2719	3167	3635	4027	3719	41597	34837	--
Daily Average	140	149	152	140	121	131	112	101	127	135	155	143	134	113	20
Books Drawn from Stack	2181	2049	2415	1876	1769	1757	1730	1580	1747	2222	2337	2303	18890	18890	--
Daily Average	84	85	89	75	66	68	67	59	70	82	91	86	77	61	27
Periodicals Drawn from Alcove	872	810	738	696	766	698	718	593	639	654	700	783	8667	8013	--
Daily Average	34	34	27	28	28	27	28	22	26	24	27	30	28	26	8
Visitors Admitted to Stack	92	101	114	98	76	72	120	88	67	82	42	67	1019	1017	--

23 Smallest attendance, 35 on July 4th. Largest attendance, 282 on November 3d.

COMPARISON BY YEARS.

	1897 9 mos.	1898	1899	1900
Visitors	18,584	30,516	34,827	41,697
Daily Average	80	99	113	134
Books Drawn from Stack	6,995	15,367	18,890	23,986
Daily Average	30	50	61	77
Periodicals Drawn from Alcove	3,864	7,213	8,013	8,667
Daily Average	17	23	26	28
Visitors Admitted to Stack	359	656	1,017	1,019
Volumes in Library	29,141	43,061	55,223	65,645

LIBRARY STATISTICS: II.

SUBJECTS	ORDERS			ACCESSIONS		CATALOGUE		PERIODICALS		RECORDED USE		
	1900	Est. Cost	Vol.	1900	Total	No.	Entries	1900	Cost	Books	Periodicals	Stack
I.—GENERAL WORKS:												
0 Unclassified	73	\$103 48	591	\$1,270 66		39	1,296	9	\$ 19 61	215	11	—
1 Bibliography	199	460 18	3,713 17	238	1,665	2,832	134	246 14	371	72	64	
2 Library Economy	75	75 61	693 60	166	619	614	45	35 57	446	41	3	
3 Cyclopedias	86	113 49	862	1,356 16	85	832	128	—	86	—	—	
4 Collected Works of Authors	47	36 98	140	3,554 21	44	134	80	—	—	132	—	
5 General Periodicals	51	101 44	2,255	3,089 22	209	2,523	208	72	248 38	992	2,313	
6 General Societies	232	391 37	2,216	7,862 24	305	2,656	320	118	204 81	290	20	
7 Exhibitions and Museums	167	233 90	579	593 48	154	490	464	17	12 04	78	9	
8 Special Libraries	25	74 79	237	356 50	50	250	368	9	26 10	79	14	
10 Philosophy	50	57 80	412	672 31	48	445	668	20	51 29	660	62	
13, 15 Psychology	9	22 40	61	67 36	11	65	80	—	—	40	—	
16 Logic	26	56 63	544	943 60	29	364	480	—	—	342	—	
40 Philology	245	495 68	1,598	3,345 60	307	1,948	2,624	16	—	1,015	33	
90 History and Geography	74	195 58	397	894 38	85	1,000	116	29	70 12	110	28	
91 Cartography	1,359	\$2,509 33	12,075	\$25,242 58	1,710	13,590	10,218	480	\$914 06	4,856	2,605	
II.—SOCIAL SCIENCES:												
17 Ethics	21	\$ 28 09	142	\$ 148 39	23	161	320	6	\$ 9 74	126	31	
20 Religion	20	40 80	69	93 94	28	101	320	1	90	7	—	
30 General Works	76	95 29	829	1,580 02	121	970	792	50	110 14	547	107	
31 Statistics	103	141 13	549	976 89	147	732	496	41	53 72	99	14	
32 Political Science	91	104 43	331	452 63	141	794	736	4	4 89	268	135	
33 Political Economy	340	219 51	2,057	2,447 76	445	2,592	3,328	89	182 06	653	622	
34 Law	21	31 17	211	465 48	43	370	560	5	14 35	162	4	
35 Administration (including Public Documents)	276	404 70	2,138	1,294 19	915	6,530	1,784	70	78 56	308	127	
36 Associations and Institutions	115	105 93	531	483 38	168	703	597	32	47 58	161	32	
37 Education	239	249 62	1,331	1,634 80	361	1,894	1,728	84	72 10	693	10	
38 Commerce and Communication	39	77 93	426	797 77	197	1,035	6,56	36	47 04	229	86	
39 Customs, Folklore, etc.	36	36 34	208	339 69	38	224	404	7	10 99	232	5	
	1,377	\$1,534 94	8,822	\$10,714 94	2,537	16,106	11,781	425	\$632 07	3,568	1,616	

Subjects	Orders			Accessions			Periodicals			Recorded Use			
	1900	Vol.	Est. Cost	1900	Vol.	Est. Cost	1900	No.	Total	1900	No.	Books	Periodicals
III.—PHYSICAL SCIENCES:													
50 General Works .....	176	\$242	15	1,947	\$4,479	67	213	2,316	448	32	\$ 61	78	262
51 Mathematics .....	213	442	68	1,643	4,132	26	355	1,616	1,136	31	96	71	657
52 Astronomy .....	175	478	97	1,914	4,246	53	263	1,803	1,048	73	68	88	283
53 Physics .....	319	547	93	2,203	4,304	43	489	2,325	2,400	61	166	98	1,621
54 Chemistry and Mineralogy .....	256	415	58	2,281	5,759	93	478	2,320	1,850	40	168	67	1,010
1,139	\$2,125	81	9,988	\$22,932	82	1,798	10,380	6,882	237	\$503	02	3,833	579
IV.—NATURAL SCIENCES:													
55 Geology .....	229	\$511	07	2,031	\$4,034	15	310	2,126	2,016	77	\$104	99	652
56 Palaeontology .....	74	571	76	236	1,201	82	124	246	400	6	26	88	14
57 Biology and Natural Sciences in General .....	561	1,609	99	3,068	10,233	91	372	3,019	1,944	111	313	77	639
58 Botany .....	921	1,04	1,365	1,009	60	1,009	1,389	1,430	60	185	55	335	42
59 Zoology .....	354	1,112	56	2,456	14,160	86	386	2,354	2,987	89	481	21	611
1,504	\$4,816	42	9,156	\$39,700	34	1,599	9,134	8,777	343	\$1,112	50	2,251	114
V.—APPLIED SCIENCES:													
60, 70 General Works .....	280	\$ 463	82	2,745	\$4,968	37	428	2,986	624	67	\$195	58	595
61 Hygiene .....	254	294	79	890	1,319	50	296	1,070	1,291	37	66	34	823
62 Engineering .....	606	1,180	94	4,240	9,367	68	1,032	51,51	3,205	162	351	68	2,989
63 Agriculture .....	206	257	71	1,596	1,458	86	264	1,779	1,088	61	47	60	570
64 Domestic Economy .....	32	31	83	192	1,66	72	36	211	236	5	4	185	35
65 Trade and Transportation .....	266	243	63	1,031	1,826	63	197	1,319	1,072	47	81	18	840
66 Chemical Technology .....	164	332	49	1,218	2,779	47	217	1,280	1,168	44	135	18	1,481
67, 68 Manufactures and Trades .....	107	192	86	837	1,357	48	129	951	848	36	60	61	587
69 Building .....	55	168	80	501	1,061	21	92	525	602	16	41	61	510
71 Landscape Gardening .....	23	48	84	120	161	11	24	127	160	2	8	48	2
72 Architecture .....	25	87	72	127	487	16	45	200	352	20	99	88	205
73-76 Drawing, Design, etc. .....	44	145	58	423	938	67	61	416	508	9	27	98	153
77 Photography .....	27	26	86	361	411	88	47	420	400	26	31	97	346
2,089	\$ 3,415	87	14,281	\$26,304	14	2,868	16,435	11,664	532	\$1,146	81	9,478	3753
7,468	14,492	37	154,322	115,884	82	10,422	65,045	49,322	2,017*	4,368	46	23,986	8,667
Total .....													1,019

\* 396 by gift.

## LIST OF DONORS.

	Volumes or Pamphlets.
Academy of Science of St. Louis, <i>St. Louis, Mo.</i> -----	1
Alabama Department of Education, <i>Montgomery, Ala.</i> -----	1
Alden, Rev. Ezra J., <i>Chicago, Ill.</i> -----	2
Alden, William C., <i>Indianapolis, Ind.</i> -----	1
American Bell Telephone Co., <i>Boston, Mass.</i> -----	20
American Brewers' Review Co., <i>Chicago, Ill.</i> -----	1
American Electric Co., <i>St. Paul, Minn.</i> -----	1
American Electrician Co., <i>New York, N. Y.</i> -----	1
American Institute of Mining Engineers, <i>New York, N. Y.</i> -----	1
American Mathematical Society, <i>New York, N. Y.</i> -----	1
American Museum of Natural History, <i>New York, N. Y.</i> -----	3
American Protective Tariff League, <i>New York, N. Y.</i> -----	47
American Statistical Association, <i>Boston, Mass.</i> -----	1
American Street-Railway Association, <i>Chicago, Ill.</i> -----	1
American Water Works Association, <i>New York, N. Y.</i> -----	1
Amherst College, <i>Amherst, Mass.</i> -----	1
Andover Theological Seminary, <i>Andover, Mass.</i> -----	1
Andrews, Clement W., <i>Chicago, Ill.</i> -----	11
Armour, George A., <i>Princeton, N. J.</i> -----	26
Armour Institute of Technology, <i>Chicago, Ill.</i> -----	2
Asociación de Ingenieros y Arquitectos de México, <i>City of Mexico, Mex.</i> -----	5
Association of Ontario Land Surveyors, <i>Toronto, Can.</i> -----	1
Association Parisienne des Propriétaires d'Appareils à Vapeur, <i>Paris, France</i> -----	2
Babcock & Wilcox Co., <i>Chicago, Ill.</i> -----	1
Baer, Joseph & Co., <i>Frankfort-on-the-Main, Germany</i> -----	1
Baker, Prof. Ira O., <i>Champaign, Ill.</i> -----	1
Baker, William C., <i>New York, N. Y.</i> -----	1
Baker & Co., Walter, Limited, <i>Dorchester, Mass.</i> -----	2
Baltimore Chamber of Commerce, <i>Baltimore, Md.</i> -----	1
Bardeen, C. W., <i>Syracuse, N. Y.</i> -----	1
Barker, May I., <i>Chicago, Ill.</i> -----	5
Barnard, Prof. E. E., <i>Williams Bay, Wis.</i> -----	3
Barnhart Bros. & Spindler, <i>Chicago, Ill.</i> -----	2
Bates, Lindow W., <i>Chicago, Ill.</i> -----	1
Baumann, Frederick, <i>Chicago, Ill.</i> -----	1
Bayliss, B. W., <i>Chicago, Ill.</i> -----	3
Belgium. Service Géologique, <i>Brussels, Belgium</i> -----	1
Berger & Sons, C. L., <i>Boston, Mass.</i> -----	1
Bibliographical Society, <i>London, Eng.</i> -----	2
Bibliographical Society of Chicago, <i>Chicago, Ill.</i> -----	1

## LIST OF DONORS.

27

	Volumes or Pamphlets.
Biblioteca Communale, <i>Ferrara, Italy</i> .....	1
Biblioteca Estense di Modena, <i>Modena, Italy</i> .....	2
Bibliothèque Municipale de Grenoble, <i>Grenoble, France</i> .....	1
Bibliothèque Municipale de Rouen, <i>Rouen, France</i> .....	1
Bibliothèque Publique de Genève, <i>Geneva, Switzerland</i> .....	1
Biological Society of Washington, <i>Washington, D. C.</i> .....	1
Birmingham Free Libraries, <i>Birmingham, Eng.</i> .....	1
Birmingham University, <i>Birmingham, Eng.</i> .....	7
Bliss, Henry L., <i>Chicago, Ill.</i> .....	1
Blue Hill Meteorological Observatory, <i>Milton, Mass.</i> .....	4
Bodleian Library, <i>Oxford, Eng.</i> .....	1
Bolton, Dr. H. Carrington, <i>Washington, D. C.</i> .....	1
Book-keeper Publishing Co., <i>Detroit, Mich.</i> .....	7
Bookseller & Newsman, <i>New York, N. Y.</i> .....	2
Boss, Henry R., <i>Chicago, Ill.</i> .....	1
Boston, Mass., <i>City of</i> .....	1
Boston Athenæum, <i>Boston, Mass.</i> .....	1
Boston Book Co., <i>Boston, Mass.</i> .....	4
Boston Chamber of Commerce, <i>Boston, Mass.</i> .....	9
Boston Children's Aid Society, <i>Boston, Mass.</i> .....	1
Boston City Hospital, <i>Boston, Mass.</i> .....	1
Boston Department of Municipal Statistics, <i>Boston, Mass.</i> .....	5
Boston Gear Works, <i>Boston, Mass.</i> .....	2
Boston Manufacturers' Mutual Fire Insurance Co., <i>Boston, Mass.</i> .....	18
Boston Museum of Fine Arts, <i>Boston, Mass.</i> .....	1
Boston Public Library, <i>Boston, Mass.</i> .....	4
Boston Transit Commission, <i>Boston, Mass.</i> .....	1
Bouillon-Stock Manufacturing Co., <i>Chicago, Ill.</i> .....	4
Bowdoin College Library, <i>Brunswick, Me.</i> .....	34
Brewster, Edward L. & Co., <i>Chicago, Ill.</i> .....	1
Brockton Public Library, <i>Brockton, Mass.</i> .....	2
Brooklyn Institute of Arts and Sciences, <i>Brooklyn, N. Y.</i> .....	2
Brooklyn Library, <i>Brooklyn, N. Y.</i> .....	2
Brooklyn Public Library, <i>Brooklyn, N. Y.</i> .....	1
Brown University, <i>Providence, R. I.</i> .....	7
Buffalo Department of Health, <i>Buffalo, N. Y.</i> .....	1
Buffalo Department of Public Works, <i>Buffalo, N. Y.</i> .....	1
Buffalo Public Library, <i>Buffalo, N. Y.</i> .....	1
Bureau of American Republics, <i>Washington, D. C.</i> .....	15
Bureau of Economic Research, <i>New York, N. Y.</i> .....	1
Burnham, William H., <i>Worcester, Mass.</i> .....	1
Burrows Brothers Co., <i>Cleveland, O.</i> .....	1
Bussey Institution, <i>Jamaica Plain, Mass.</i> .....	2
Cahill-Swift Manufacturing Co., <i>St. Louis, Mo.</i> .....	1
California Academy of Sciences, <i>San Francisco, Cal.</i> .....	8
California Bureau of Labor Statistics, <i>Sacramento, Cal.</i> .....	1
California State Library, <i>Sacramento, Cal.</i> .....	2
Call, Prof. R. Ellsworth, <i>Brooklyn, N. Y.</i> .....	18
Cambridge Observatory, <i>Cambridge, Eng.</i> .....	7
Cambridge Public Library, <i>Cambridge, Mass.</i> .....	2

## LIST OF DONORS.

	Volumes or Pamphlets.
Canada Commissioner of Patents, <i>Ottawa, Can.</i> .....	1
Canada Geological Survey, <i>Ottawa, Can.</i> .....	3
Carnegie Free Library, <i>Allegheny, Pa.</i> .....	8
Carnegie Library, <i>Atlanta, Ga.</i> .....	1
Carnegie Library, <i>Homestead, Pa.</i> .....	2
Carnegie Library, <i>Pittsburgh, Pa.</i> .....	2
Case, L. B., <i>Chicago, Ill.</i> .....	3
Central Filipino Committee, <i>Toronto, Can.</i> .....	1
Charity Organization Society of Baltimore City, <i>Baltimore, Md.</i> .....	2
Chase, Hon. Charles H., <i>Ithaca, Mich.</i> .....	2
Chicago Academy of Sciences, <i>Chicago, Ill.</i> .....	2
Chicago and North-Western Railway Co., <i>Chicago, Ill.</i> .....	2
Chicago Bunker Co., <i>Chicago, Ill.</i> .....	3
Chicago Board of Education, <i>Chicago, Ill.</i> .....	1
Chicago Board of Trade, <i>Chicago, Ill.</i> .....	1
Chicago, Burlington and Quincy Railroad Co., <i>Chicago, Ill.</i> .....	5
Chicago College of Pharmacy, <i>Chicago, Ill.</i> .....	1
Chicago Commons, <i>Chicago, Ill.</i> .....	1
Chicago Department of Health, <i>Chicago, Ill.</i> .....	2
Chicago Entomological Society, <i>Chicago, Ill.</i> .....	1
Chicago Historical Society, <i>Chicago, Ill.</i> .....	1
Chicago Literary Club, <i>Chicago, Ill.</i> .....	26
Chicago, Milwaukee and St. Paul Railway Co., <i>Chicago, Ill.</i> .....	1
Chicago Orphan Asylum, <i>Chicago, Ill.</i> .....	1
Chicago Pneumatic Tool Co., <i>Chicago, Ill.</i> .....	1
Chicago Public Library, <i>Chicago, Ill.</i> .....	60
Chicago Real Estate Board, <i>Chicago, Ill.</i> .....	2
Chicago Relief and Aid Society, <i>Chicago, Ill.</i> .....	1
Chicago, Rock Island and Pacific Railway, <i>Chicago, Ill.</i> .....	1
Chicago Telephone Co., <i>Chicago, Ill.</i> .....	3
Chicago Tribune, <i>Chicago, Ill.</i> .....	11
Christopher Sower Co., <i>Philadelphia, Pa.</i> .....	1
Cincinnati Citizens' Committee on University Affairs, <i>Cincinnati, O.</i> .....	1
Cincinnati Commissioners of Water Works, <i>Cincinnati, O.</i> .....	4
Cincinnati Public Library, <i>Cincinnati, O.</i> .....	27
City Club of New York, <i>New York, N. Y.</i> .....	28
Civic Club of Philadelphia, <i>Philadelphia, Pa.</i> .....	1
Clark, Charles, <i>Middleton, N. Y.</i> .....	1
Cleveland Public Library Board, <i>Cleveland, O.</i> .....	1
Coates, Dr. William E., <i>Chicago, Ill.</i> .....	1
Cobb, Dr. Joseph P., <i>Chicago, Ill.</i> .....	1
Cobden Club, <i>London, Eng.</i> .....	4
Colliery Engineer Company, <i>Scranton, Pa.</i> .....	1
Colorado Bureau of Labor Statistics, <i>Denver, Col.</i> .....	1
Colorado College, <i>Colorado Springs, Col.</i> .....	6
Colorado State Agricultural College, <i>Fort Collins, Col.</i> .....	6
Colorado State Board of Health, <i>Denver, Col.</i> .....	1
Colorado State Library, <i>Denver, Col.</i> .....	1
Columbia University, <i>New York, N. Y.</i> .....	3
Columbia University Observatory, <i>New York, N. Y.</i> .....	7

## LIST OF DONORS.

29

	Volumes or Pamphlets.
Commission on the Chicago River, <i>Chicago, Ill.</i> -----	1
Commissioners of the District of Columbia, <i>Washington, D. C.</i> -----	4
Concord Public Library, <i>Concord, N. H.</i> -----	4
Connecticut Agricultural Experiment Station, <i>New Haven, Conn.</i> -----	3
Connecticut Bureau of Labor Statistics, <i>Hartford, Conn.</i> -----	15
Connecticut Civil Engineers and Surveyors Association, <i>New London, Conn.</i> -----	15
Connecticut State Board of Health, <i>New Haven, Conn.</i> -----	10
Conover, William A., <i>Chicago, Ill.</i> -----	2
Cornell University, <i>Ithaca, N. Y.</i> -----	3
Cornell University Agricultural Experiment Station, <i>Ithaca, N. Y.</i> -----	9
Council Bluffs Free Public Library, <i>Council Bluffs, Ia.</i> -----	1
Crosby, W. O., <i>Joplin, Mo.</i> -----	3
Currey, J. Seymour, <i>Evanston, Ill.</i> -----	1
Dartmouth College, <i>Hanover, N. H.</i> -----	1
De Laval Separator Co., <i>New York, N. Y.</i> -----	3
Detroit, Mich., <i>City of</i> -----	1
Detroit Public Library, <i>Detroit, Mich.</i> -----	1
Dickinson, Sarah S., <i>Evanston, Ill.</i> -----	1
District of Columbia Public Library, <i>Washington, D. C.</i> -----	1
Doubleday, Page & Co., <i>New York, N. Y.</i> -----	1
Drexel Institute of Art, Science, and Industry, <i>Philadelphia, Pa.</i> -----	10
Dunsink Observatory, <i>Dublin, Ireland</i> -----	3
Edward P. Allis Co., <i>Milwaukee, Wis.</i> -----	4
Electricity Newspaper Co., <i>New York, N. Y.</i> -----	2
Engineer Publishing Co., <i>Cleveland, O.</i> -----	1
Enoch Pratt Free Library, <i>Baltimore, Md.</i> -----	1
Evanston Free Public Library, <i>Evanston, Ill.</i> -----	1
Fairmount Park Art Association, <i>Philadelphia, Pa.</i> -----	2
Field Columbian Museum, <i>Chicago, Ill.</i> -----	21
Fitzgerald, Desmond, <i>Boston, Mass.</i> -----	1
Fletcher Free Library, <i>Burlington, Vt.</i> -----	1
Forbes Library, <i>Northampton, Mass.</i> -----	1
Fort Wayne Electric Works, <i>Fort Wayne, Ind.</i> -----	14
Fort Worth and Denver City Railway Co., <i>Fort Worth, Tex.</i> -----	1
Freiherrlich Carl von Rothschild'sche Oeffentliche Bibliothek, <i>Frankfort-on-the-Main, Germany</i> -----	1
Friends' Book Store, <i>Philadelphia, Pa.</i> -----	1
Furness, William Eliot, <i>Chicago, Ill.</i> -----	27
Galloway, James B., <i>Chicago, Ill.</i> -----	3
Garrett Biblical Institute, <i>Evanston, Ill.</i> -----	2
Gates Iron Works, <i>Chicago, Ill.</i> -----	4
General Electric Co., <i>Schenectady, N. Y.</i> -----	28
General Federation of Women's Clubs, <i>Detroit, Mich.</i> -----	1
Globe-Wernicke Co., <i>Cincinnati, O.</i> -----	1
Goheen Manufacturing Co., <i>Canton, O.</i> -----	1
Golding & Co., <i>Boston, Mass.</i> -----	1
Gookin, Frederick W., <i>Chicago, Ill.</i> -----	31
Gorham Manufacturing Co., <i>New York, N. Y.</i> -----	1

## LIST OF DONORS.

	Volumes or Pamphlets.
Grand Army Hall and Memorial Association of Illinois, <i>Chicago, Ill.</i>	1
Grant Gear Works, <i>Boston, Mass.</i>	2
Green, Samuel A., <i>Boston, Mass.</i>	10
Grier, John A., <i>Chicago, Ill.</i>	1
Groton Public Library, <i>Groton, Mass.</i>	2
Hamilton Public Library, <i>Hamilton, Can.</i>	1
Hammett, Charles E., <i>Junior, Newport, R. I.</i>	1
Hammond, Charles L., <i>Chicago, Ill.</i>	1
Hanney, Patrick M., <i>Chicago, Ill.</i>	1
Hanson, Burton, <i>Chicago, Ill.</i>	1
Harper, William Hudson, <i>Evanston, Ill.</i>	1
Hartford Theological Seminary, <i>Hartford, Conn.</i>	1
Harvard University, <i>Cambridge, Mass.</i>	4
Harvard University, Astronomical Observatory, <i>Cambridge, Mass.</i>	7
Haverhill Public Library, <i>Haverhill, Mass.</i>	3
Hawley, Mary E., <i>Chicago, Ill.</i>	10
Hayman & Davis Co., <i>Chicago, Ill.</i>	1
Hazlitt, George K. & Co., <i>Chicago, Ill.</i>	1
Hessling, Bruno, <i>New York, N. Y.</i>	1
Hill, Ellsworth J., <i>Chicago, Ill.</i>	21
Hinsdale, Dr. Guy, <i>Philadelphia, Pa.</i>	4
Hobart College, <i>Geneva, N. Y.</i>	1
Holbrook, Z. Swift, <i>Boston, Mass.</i>	1
Holinsworth, C. B. and A. B., <i>London, Eng.</i>	6
Home for Aged Jews of Chicago, <i>Chicago, Ill.</i>	1
Hopkins, Prof. Thomas C., <i>State College, Pa.</i>	2
Howard Memorial Library, <i>New Orleans, La.</i>	1
Hyde, William H., and McMannan, John A., <i>Milwaukee, Wis.</i>	1
Illinois Bureau of Labor Statistics, <i>Springfield, Ill.</i>	1
Illinois Central Railroad, <i>Chicago, Ill.</i>	23
Illinois Humane Society, <i>Chicago, Ill.</i>	1
Illinois Institution for the Education of the Blind, <i>Jacksonville, Ill.</i>	1
Illinois State Historical Library, <i>Springfield, Ill.</i>	1
Illinois State Penitentiary, <i>Joliet, Ill.</i>	2
Illinois State Reformatory, <i>Pontiac, Ill.</i>	1
Imperial Library, <i>Tokio, Japan</i>	1
Imperial Museum, <i>Tokio, Japan</i>	6
Indiana Board of State Charities, <i>Indianapolis, Ind.</i>	2
Indiana Bureau of Statistics, <i>Indianapolis, Ind.</i>	4
Indiana State Board of Health, <i>Indianapolis, Ind.</i>	13
Indiana State Library, <i>Indianapolis, Ind.</i>	40
Indianapolis, Ind., <i>City of</i>	1
Indianapolis Public Library, <i>Indianapolis, Ind.</i>	1
Ingersoll Milling Machine Co., <i>Rockford, Ill.</i>	1
Institution of Civil Engineers, <i>London, Eng.</i>	6
Inter Ocean, <i>Chicago, Ill.</i>	46
Iowa Geological Survey, <i>Des Moines, Ia.</i>	1
Iowa Masonic Library, <i>Cedar Rapids, Ia.</i>	1
Iowa State Library, <i>Des Moines, Ia.</i>	1

## LIST OF DONORS.

31

	Volumes or Pamphlets.
Ipswich Historical Society, <i>Ipswich, Mass.</i> .....	1
Jacobi, Dr. Abraham, <i>New York, N. Y.</i> .....	1
James Blackstone Memorial Library, <i>Branford, Conn.</i> .....	2
James Prendergast Free Library, <i>Jamestown, N. Y.</i> .....	1
Jenkins, Howard M., <i>Philadelphia, Pa.</i> .....	1
Jersey City Free Public Library, <i>Jersey City, N. J.</i> .....	2
John F. Slater Fund Trustees, <i>Washington, D. C.</i> .....	1
John Rylands Library, <i>Manchester, Eng.</i> .....	4
Johns Hopkins University, <i>Baltimore, Md.</i> .....	3
Jones & Laughlins, Limited, <i>Chicago, Ill.</i> .....	1
Josephson, Aksel G. S., <i>Chicago, Ill.</i> .....	5
Judson, William B., <i>Chicago, Ill.</i> .....	2
Kansas Bureau of Labor and Industrial Statistics, <i>Topeka, Kan.</i> .....	5
Kansas City Public Library, <i>Kansas City, Mo.</i> .....	1
Kansas State Agricultural College Library, <i>Manhattan, Kan.</i> .....	26
Kansas University, <i>Lawrence, Kan.</i> .....	2
Kerr, Charles H. & Co., <i>Chicago, Ill.</i> .....	1
Kongelige Norske Frederiks Universitetet, <i>Christiania, Norway</i> .....	2
Kongliga Universitets-Biblioteket i Upsala, <i>Upsala, Sweden</i> .....	10
Königliche Albertus-Universität, <i>Königsberg, Germany</i> .....	1
Königliche Sternwarte in Kiel, <i>Kiel, Germany</i> .....	8
Königliche Universitäts-Bibliothek, <i>Berlin, Germany</i> .....	1
Königliche Universitäts-Bibliothek, <i>Göttingen, Germany</i> .....	3
Königliche Universitäts-Bibliothek, <i>Kiel, Germany</i> .....	1
Koninklijke Akademie van Wetenschappen te Amsterdam, <i>Amsterdam, Holland</i> .....	13
Lake Forest University, <i>Lake Forest, Ill.</i> .....	1
Lands Plantentuin, <i>Buitenzorg, Java</i> .....	18
Lawrence Free Public Library, <i>Lawrence, Mass.</i> .....	1
League of American Wheelmen, <i>Boston, Mass.</i> .....	4
Leeds Free Public Libraries, <i>Leeds, Eng.</i> .....	1
Lehigh University, <i>South Bethlehem, Pa.</i> .....	1
Leipziger, Dr. Henry M., <i>New York, N. Y.</i> .....	1
Leland Stanford Junior University, <i>Palo Alto, Cal.</i> .....	2
Lemcke & Buechner, <i>New York, N. Y.</i> .....	9
Lester, Frank M., <i>Chicago, Ill.</i> .....	1
Lewis Institute, <i>Chicago, Ill.</i> .....	1
Libbey, William, <i>Princeton, N. J.</i> .....	1
Library Association of California, <i>San Francisco, Cal.</i> .....	4
Library Association of Portland, <i>Portland, Ore.</i> .....	1
Library Association of Washington City, <i>Washington, D. C.</i> .....	1
Library Bureau, <i>Chicago, Ill.</i> .....	1
Library of Congress, <i>Washington, D. C.</i> .....	5
Lick Observatory, <i>Hamilton, Cal.</i> .....	1
Lincoln, Hon. Robert T., <i>Chicago, Ill.</i> .....	11
Lincoln Park Commissioners, <i>Chicago, Ill.</i> .....	5
Lindstrand, Franz A., <i>Chicago, Ill.</i> .....	1
Linville, Henry R., <i>Cambridge, Mass.</i> .....	1
Liverpool Committee of the Public Libraries, Museums, and Art Gallery, <i>Liverpool, Eng.</i> .....	1

## LIST OF DONORS.

	Volumes or Pamphlets.
Liverpool Free Public Library, <i>Liverpool, Eng.</i> -----	3
Long, <i>Prof. John H., Chicago, Ill.</i> -----	2
Longmans, Green & Co., <i>New York, N. Y.</i> -----	2
Loomis, George P., <i>Chicago, Ill.</i> -----	2
Los Angeles Public Library, <i>Los Angeles, Cal.</i> -----	4
Lynn Public Library, <i>Lynn, Mass.</i> -----	1
Macfarlane, <i>Dr. Alexander, Chatham, Can.</i> -----	1
Macmillan Co., <i>New York, N. Y.</i> -----	1
Madison Board of Water Commissioners, <i>Madison, Wis.</i> -----	1
Maine Bureau of Industrial and Labor Statistics, <i>Augusta, Me.</i> -----	9
Maine State Board of Health, <i>Augusta, Me.</i> -----	10
Malden, <i>Mass. City of</i> -----	1
Manchester Free Reference Library, <i>Manchester, Eng.</i> -----	2
Marburg, <i>Theodore</i> -----	1
Maryland Geological Survey, <i>Baltimore, Md.</i> -----	2
Maryland State Library, <i>Annapolis, Md.</i> -----	1
Mason Regulator Co., <i>Boston, Mass.</i> -----	2
Massachusetts Agricultural College, Hatch Experiment Station, <i>Amherst, Mass.</i> -----	8
Massachusetts Board of Commissioners of Savings Banks, <i>Boston, Mass.</i> -----	14
Massachusetts Board of Gas and Electric Light Commissioners, <i>Boston, Mass.</i> -----	1
Massachusetts Bureau of Statistics of Labor, <i>Boston, Mass.</i> -----	8
Massachusetts Horticultural Society, <i>Boston, Mass.</i> -----	1
Massachusetts Institute of Technology, <i>Boston, Mass.</i> -----	7
Massachusetts State Board of Agriculture, <i>Boston, Mass.</i> -----	1
McClure, William S., <i>Chicago, Ill.</i> -----	100
McClurg, A. C. & Co., <i>Chicago, Ill.</i> -----	3
McCormick, Cyrus H., and Harold F., <i>Chicago, Ill.</i> -----	1
McCutcheon, Charles, <i>Tacoma, Wash.</i> -----	1
McPherson, <i>Dr. Simon J., Lawrenceville, N. J.</i> -----	2
Medford Public Library, <i>Medford, Mass.</i> -----	2
Mellins Food Co., <i>Boston, Mass.</i> -----	2
Mercantile Library of New York, <i>New York, N. Y.</i> -----	2
Mercantile Library of Philadelphia, <i>Philadelphia, Pa.</i> -----	5
Mergenthaler Linotype Co., <i>Brooklyn, N. Y.</i> -----	1
Metropolitan Water Board, <i>Boston, Mass.</i> -----	1
Mexico, Secretaría de Fomento, Colonización e Industria, <i>City of Mexico, Mexico</i> -----	4
Meyer, <i>Dr. Adolph B., Dresden, Germany</i> -----	23
Michigan Bureau of Labor and Industrial Statistics, <i>Lansing, Mich.</i> -----	7
Michigan Department of State, <i>Lansing, Mich.</i> -----	1
Michigan State Agricultural College, Experiment Station, <i>Agricultural College, Mich.</i> -----	1
Michigan State Board of Health, <i>Lansing, Mich.</i> -----	50
Milliken Bros., <i>New York, N. Y.</i> -----	2
Milwaukee Public Library, <i>Milwaukee, Wis.</i> -----	4
Minneapolis Board of Park Commissioners, <i>Minneapolis, Minn.</i> -----	1

## LIST OF DONORS.

33

	Volumes or Pamphlets.
Minnesota Bureau of Labor, <i>St. Paul, Minn.</i> -----	4
Minnesota Geological and Natural History Survey, <i>Minneapolis, Minn.</i> -----	1
Missouri Botanical Garden, <i>St. Louis, Mo.</i> -----	2
Missouri Bureau of Labor Statistics and Inspection, <i>Jefferson City, Mo.</i> -----	2
Missouri Bureau of Mines, Mining and Mine Inspection, <i>Jefferson City, Mo.</i> -----	3
Missouri Geological Survey, <i>Jefferson City, Mo.</i> -----	6
Montana Bureau of Agriculture, Labor and Industry, <i>Helena, Mont.</i> -----	6
Montross, Elizabeth M., <i>Chicago, Ill.</i> -----	6
Moses, Adolph, <i>Chicago, Ill.</i> -----	1
Moulton, Dr. Forest Ray, <i>Chicago, Ill.</i> -----	2
Murphy, W. J., <i>Cincinnati, O.</i> -----	2
National Association of Manufacturers of the United States of America, <i>Philadelphia, Pa.</i> -----	32
National Conference of Charities and Corrections-----	6
Nebraska Bureau of Labor and Industrial Statistics, <i>Lincoln, Neb.</i> -----	3
Nevada State Weather Service, <i>Carson City, Nev.</i> -----	2
New Bedford Free Public Library, <i>New Bedford, Mass.</i> -----	2
New England Cotton Manufacturers Association, <i>Boston, Mass.</i> -----	2
New Jersey, <i>State of</i> -----	92
New Jersey Board of Health, <i>Trenton, N. J.</i> -----	1
New Jersey Bureau of Statistics of Labor and Industries, <i>Trenton, N. J.</i> -----	8
New Jersey State Board of Assessors, <i>Trenton, N. J.</i> -----	10
New Mexico Mine Inspector, <i>Silver City, N. Mex.</i> -----	5
New York, N. Y., <i>City of</i> -----	16
New York Academy of Sciences, <i>New York, N. Y.</i> -----	2
New York Board of Fire Underwriters, Committee on Fire Patrol, <i>New York, N. Y.</i> -----	1
New York Botanical Garden, <i>New York, N. Y.</i> -----	9
New York Chamber of Commerce, <i>New York, N. Y.</i> -----	1
New York Commissioners of Taxes and Assessments, <i>New York, N. Y.</i> -----	1
New York Department of Docks and Ferries, <i>New York, N. Y.</i> -----	1
New York Department of Education, <i>New York, N. Y.</i> -----	1
New York Department of Finance, <i>New York, N. Y.</i> -----	1
New York Department of Street Cleaning, <i>New York, N. Y.</i> -----	1
New York Fire Department, <i>New York, N. Y.</i> -----	1
New York Juvenile Asylum, <i>New York, N. Y.</i> -----	1
New York Kindergarten Association, <i>New York, N. Y.</i> -----	1
New York, New Haven, and Hartford Railroad Co., <i>New Haven, Conn.</i> -----	1
New York Public Library, Astor, Lenox, and Tilden Foundations, <i>New York, N. Y.</i> -----	2
New York Society Library, <i>New York, N. Y.</i> -----	1
New York State Board of Health, <i>Albany, N. Y.</i> -----	16
New York State Entomologist, <i>Albany, N. Y.</i> -----	1

## LIST OF DONORS.

	Volumes or Pamphlets.
New York State Historian, <i>Albany, N. Y.</i> .....	1
New York State Library, <i>Albany, N. Y.</i> .....	30
New York University, <i>New York, N. Y.</i> .....	5
Newark Free Public Library, <i>Newark, N. J.</i> .....	3
Newberry Library, <i>Chicago, Ill.</i> .....	35
Newburgh Free Library, <i>Newburgh, N. Y.</i> .....	1
Nicaragua Rubber and Agricultural Co., <i>Philadelphia, Pa.</i> .....	4
Nicholson File Co., <i>Providence, R. I.</i> .....	2
Nijhoff, Martinus, <i>The Hague, Holland</i> .....	2
Nipher, Prof. Francis E., <i>St. Louis, Mo.</i> .....	1
Noble, Alfred, <i>Chicago, Ill.</i> .....	1
North Adams Public Library, <i>North Adams, Mass.</i> .....	1
North Carolina Bureau of Labor Statistics, <i>Raleigh, N. C.</i> .....	9
North Dakota Commissioner of Agriculture and Labor, <i>Bismarck, N. D.</i> .....	3
Northern Indiana Historical Society, <i>South Bend, Ind.</i> .....	1
Northern Pacific Railway Co., <i>St. Paul, Minn.</i> .....	3
Northwest Railway Club, <i>St. Paul, Minn.</i> .....	1
Northwestern University, <i>Evanston, Ill.</i> .....	2
Oahu College, <i>Honolulu, Hawaii</i> .....	1
Oberlin College, <i>Oberlin, O.</i> .....	14
Oberlin College Library, <i>Oberlin, O.</i> .....	1
Observatory of Trinity College, <i>Dublin, Ireland</i> .....	2
Ohio Bureau of Labor Statistics, <i>Columbus, O.</i> .....	2
Ohio Hospital for Epileptics, <i>Gallipolis, O.</i> .....	1
Ohio State University, <i>Columbus, O.</i> .....	1
Ohio Weather Bureau, <i>Columbus, O.</i> .....	4
Omaha Public Library, <i>Omaha, Neb.</i> .....	1
Ontario Bureau of Mines, <i>Toronto, Can.</i> .....	2
Ontario Department of Agriculture, <i>Toronto, Can.</i> .....	17
Ontario Department of Crown Lands, <i>Toronto, Can.</i> .....	1
Ontario Department of Education, <i>Toronto, Can.</i> .....	1
Ontario Department of Insurance, <i>Toronto, Can.</i> .....	2
Oregon Short Line Railroad Co., <i>New York, N. Y.</i> .....	4
Osborne, Percy T., <i>Philadelphia, Pa.</i> .....	3
Osservatorio Privato di Collurania, <i>Teramo, Italy</i> .....	2
Paltridge, George H., <i>Chicago, Ill.</i> .....	1
Pan-American Exposition, <i>Buffalo, N. Y.</i> .....	50
Paterson Free Public Library, <i>Paterson, N. J.</i> .....	4
Peabody Education Fund Trustees, <i>Washington, D. C.</i> .....	1
Pennsylvania State Board of Health, <i>Harrisburg, Pa.</i> .....	5
Philadelphia, Pa., <i>City of</i> .....	4
Philadelphia Bureau of Surveys, <i>Philadelphia, Pa.</i> .....	1
Philadelphia Commercial Museum, <i>Philadelphia, Pa.</i> .....	5
Philadelphia Free Library, <i>Philadelphia, Pa.</i> .....	2
Phillips Academy, <i>Andover, Mass.</i> .....	1
Pratt Institute Free Library, <i>Brooklyn, N. Y.</i> .....	1
Price, Dr. James R., <i>Chicago, Ill.</i> .....	1
Princeton University, <i>Princeton, N. J.</i> .....	1
Providence Public Library, <i>Providence, R. I.</i> .....	1

## LIST OF DONORS.

35

	Volumes or Pamphlets.
Railway Age and Northwestern Railroader, <i>Chicago, Ill.</i> .....	2
Railway and Engineering Review, <i>Chicago, Ill.</i> .....	3
Railway List Co., <i>Chicago, Ill.</i> .....	1
Randolph Co., T. F., <i>Cincinnati, O.</i> .....	2
Reale Biblioteca di Parma, <i>Parma, Italy</i> .....	1
Reform Club, <i>New York, N. Y.</i> .....	15
Reynolds Library, <i>Rochester, N. Y.</i> .....	1
Rhode Island State Board of Health, <i>Providence, R. I.</i> .....	1
Rich, H. S., and Co., <i>Chicago, Ill.</i> .....	1
Rijks-Universiteit te Leiden, <i>Leyden, Holland</i> .....	5
Rochester Academy of Science, <i>Rochester, N. Y.</i> .....	1
Ronbroke Press, <i>Los Angeles, Cal.</i> .....	1
Rose, Hon. James A., <i>Springfield, Ill.</i> .....	1
Rosenthal, Jacques, <i>Munich, Germany</i> .....	1
Royal Baking Powder Co., <i>New York, N. Y.</i> .....	1
Royal Society of Canada, <i>Ottawa, Can.</i> .....	1
Salem Public Library, <i>Salem, Mass.</i> .....	2
San Francisco Free Public Library, <i>San Francisco, Cal.</i> .....	3
San Francisco Mechanics' Institute, <i>San Francisco, Cal.</i> .....	1
Sanitary District of Chicago, <i>Chicago, Ill.</i> .....	1
Schneider, Prof. Albert, <i>Chicago, Ill.</i> .....	1
Scientific Alliance of New York, <i>New York, N. Y.</i> .....	1
Scranton Public Library, <i>Scranton, Pa.</i> .....	2
Seattle Public Library, <i>Seattle, Wash.</i> .....	3
Sellers, William, and Co., <i>Philadelphia, Pa.</i> .....	2
Shea, Smith and Co., <i>Chicago, Ill.</i> .....	1
Siebel, John E., <i>Chicago, Ill.</i> .....	1
Silas Bronson Library, <i>Waterbury, Conn.</i> .....	3
Smiley, Albert K., <i>Lake Mohonk, N. Y.</i> .....	1
Smithsonian Institution, <i>Washington, D. C.</i> .....	3
Sociedad Científica "Antonio Alzate," <i>City of Mexico, Mexico</i> .....	1
Société du Musée Historique de la Réformation à Genève, <i>Geneva, Switzerland</i> .....	1
Sotheran, Henry & Co., <i>London, Eng.</i> .....	1
South Dakota State School of Mines, <i>Rapid City, S. Dak.</i> .....	4
South Park Commissioners, <i>Chicago, Ill.</i> .....	25
Special Commission Chicago Drainage Channel, <i>Chicago, Ill.</i> .....	1
Spectator Co., <i>New York, N. Y.</i> .....	1
Squibb, Dr. Edward H., <i>Brooklyn, N. Y.</i> .....	4
St.-Giles, E. de, <i>Chicago, Ill.</i> .....	1
St. Giles Public Library, <i>London, Eng.</i> .....	1
St. Louis Mercantile Library Association, <i>St. Louis, Mo.</i> .....	1
St. Louis Public Library, <i>St. Louis, Mo.</i> .....	3
State Historical Society of Wisconsin, <i>Madison, Wis.</i> .....	3
Stechert, Gustav, <i>New York, N. Y.</i> .....	1
Stimpson, L. L., <i>Chicago, Ill.</i> .....	2
Straight University, <i>New Orleans, La.</i> .....	1
Stratton, Prof. Samuel W., <i>Chicago, Ill.</i> .....	3
Sunset Club, <i>Chicago, Ill.</i> .....	8
Swank, James M., <i>Philadelphia, Pa.</i> .....	2

## LIST OF DONORS.

	Volumes or Pamphlets.
Sydney Observatory, <i>Sydney, Australia</i> -----	24
Talbot, <i>Dr. Henry P., Boston, Mass.</i> -----	1
Taylor, <i>Frank B., Fort Wayne, Ind.</i> -----	2
Taylor, <i>Dr. William H., Richmond, Va.</i> -----	1
Tennessee Bureau of Labor, Statistics and Mines, <i>Nashville, Tenn.</i> -----	6
Texas Railroad Commissioners, <i>Austin, Tex.</i> -----	1
Tinsley, <i>George W., Columbus, Ind.</i> -----	2
Toronto Astronomical Society, <i>Toronto, Can.</i> -----	3
Toronto City Engineer, <i>Toronto, Can.</i> -----	1
Trustees of the Phœbe A. Hearst Architectural Plan, <i>San Francisco, Cal.</i> -----	1
Tufts College, <i>Tufts College, Mass.</i> -----	3
Turney, <i>Daniel B., Kidley, Ill.</i> -----	1
Union Pacific Railroad Co., <i>New York, N. Y.</i> -----	1
United Hebrew Charities, <i>Chicago, Ill.</i> -----	1
United States Civil Service Commission, <i>Washington, D. C.</i> -----	1
United States Commission to the Paris Exposition of 1900, <i>Paris, France</i> -----	23
United States Government, <i>Washington, D. C.</i> -----	1230
United States Infantry and Cavalry School, <i>Fort Leavenworth, Kan.</i> -----	2
United States Interstate Commerce Commission, <i>Washington, D. C.</i> -----	4
United States Military Academy, <i>West Point, N. Y.</i> -----	5
United States National Museum, <i>Washington, D. C.</i> -----	8
United States Naval Academy, <i>Annapolis, Md.</i> -----	7
Université Laval, <i>Quebec, Can.</i> -----	1
University of California, <i>Berkeley, Cal.</i> -----	4
University of California, Agricultural Experiment Station, <i>Berkeley, Cal.</i> -----	9
University of Cambridge, <i>Cambridge, Eng.</i> -----	1
University of Chicago, <i>Chicago, Ill.</i> -----	14
University of Colorado, <i>Boulder, Col.</i> -----	30
University of Illinois, <i>Urbana, Ill.</i> -----	17
University of Iowa, <i>Iowa City, Ia.</i> -----	2
University of Michigan, <i>Ann Arbor, Mich.</i> -----	2
University of Minnesota, <i>Minneapolis, Minn.</i> -----	1
University of Nebraska, <i>Lincoln, Neb.</i> -----	3
University of Nebraska, Agricultural Experiment Station, <i>Lincoln, Neb.</i> -----	9
University of Oregon, <i>Eugene, Ore.</i> -----	1
University of Pennsylvania, <i>Philadelphia, Pa.</i> -----	4
University of St. Andrews, <i>St. Andrews, Scotland</i> -----	1
University of Wisconsin, <i>Madison, Wis.</i> -----	8
Unknown-----	8
Vacuum Oil Company, <i>Rochester, N. Y.</i> -----	1
Van Nostrand, D., Co., <i>New York, N. Y.</i> -----	1
Vassar College, <i>Poughkeepsie, N. Y.</i> -----	3
Vermont Inspector of Finance, <i>Poultney, Vt.</i> -----	1
Von Babo, Alexander, <i>Chicago, Ill.</i> -----	1
Von Klein, <i>Dr. Carl H., Chicago, Ill.</i> -----	4

## LIST OF DONORS.

37

	Volumes or Pamphlets.
Walker, S. T., <i>Jacksonville, Ill.</i> .....	1
Ward, <i>Prof. Henry B., Lincoln, Neb.</i> .....	2
Ward Waugh Co., <i>Chicago, Ill.</i> .....	1
Warder, John H. <i>Chicago, Ill.</i> .....	31
Warvelle, George W., <i>Chicago, Ill.</i> .....	4
Washington University, <i>St. Louis, Mo.</i> .....	1
Watertown Free Public Library, <i>Watertown, Mass.</i> .....	2
West Ham Public Libraries, <i>West Ham, Eng.</i> .....	2
Westborough Insane Hospital, <i>Westborough, Mass.</i> .....	12
Western Railway Club, <i>Chicago, Ill.</i> .....	37
Western Society of Engineers, <i>Chicago, Ill.</i> .....	13
Westervelt, A. B. and W. T., <i>New York, N. Y.</i> .....	1
Westinghouse Electric and Manufacturing Co., <i>Pittsburg, Pa.</i> .....	1
Westrup, <i>Prof. Alfred B., Chicago, Ill.</i> .....	1
White, George E. and Co., <i>Chicago, Ill.</i> .....	2
Wickes Brothers, <i>Chicago, Ill.</i> .....	1
Wilmington Institute, <i>Wilmington, Del.</i> .....	2
Wisconsin Bureau of Labor and Industrial Statistics, <i>Madison, Wis.</i> .....	8
Wisconsin Geological and Natural History Survey, <i>Des Moines, Ia.</i> .....	5
Wisconsin Library Commission, <i>Madison, Wis.</i> .....	2
Wolcott, <i>Prof. Robert H., Lincoln, Neb.</i> .....	9
Women's Liberal Unionist Association, <i>London, Eng.</i> .....	4
Worcester County Law Library, <i>Worcester, Mass.</i> .....	1
Worcester Free Public Library, <i>Worcester, Mass.</i> .....	6
Worcester Polytechnic Institute, <i>Worcester, Mass.</i> .....	1
Wyoming Experiment Station, <i>Laramie, Wyo.</i> .....	3
Yale Forest School, <i>New Haven, Conn.</i> .....	1
Yale University, <i>New Haven, Conn.</i> .....	9
Yerkes Observatory, <i>Williams Bay, Wis.</i> .....	7
Young, F. G., <i>Eugene, Ore.</i> .....	2
Young Men's Christian Association, <i>Chicago, Ill.</i> .....	1
Zymotechnic Institute, <i>Chicago, Ill.</i> .....	16
 Total.....	 3829

---

## HUNTINGTON WOLCOTT JACKSON.

TO THE BOARD OF DIRECTORS OF THE JOHN CRERAR LIBRARY.

*Gentlemen*—It is the sad duty of your committee to chronicle the sudden death of our recent associate and President, Huntington Wolcott Jackson. His admirable moral, mental, and physical qualities combined to make him respected and loved. He was the exponent of a good ancestry and a good life. Among his forefathers, on both the maternal and paternal sides, were many men of note, honored and trusted in their communities. His father was of Scotch-Irish lineage. By family alliance he was descended from the Wolcotts of Massachusetts, a family that has given three governors to that state. He was a cousin of Roger Wolcott, governor from 1896 to 1898. His mother was from the distinguished Huntington family of Connecticut. His father, John P. Jackson, was a prominent lawyer in the state of New Jersey. His strong inheritance was well exemplified in his splendid personality; his training also contributed to the same end.

Mr. Jackson was born on January 28, 1841, in Newark, New Jersey. As a boy he attended Phillips Academy at Andover, Massachusetts. In 1859 he entered Princeton College. At the end of his junior year he enlisted in the army. His valor and aptitude secured for him rapid promotion and the position of aide-de-camp on the staff of Major-General John Newton. He fought with the army of the Potomac at Fredericksburg, Chancellorsville, Gettysburg, and in other battles. He was with the army of the Cumberland in the Atlanta campaign and was wounded at Kenesaw Mountain. He was commended for special bravery in rallying a broken column at the battle of Fredericksburg, May 3, 1863, and leading it into the enemy's works under a galling fire. On leaving the army he was breveted Lieutenant-Colonel

for meritorious and gallant conduct. Then he spent a year at the Harvard Law School, and the next year in European travel and study. On his return he finished his studies in Chicago and was admitted to the bar in 1868; in the same year he formed a partnership with his old school friend, David B. Lyman, under the firm name of Lyman & Jackson. In 1895 Mr. Lyman withdrew to assume the management of the Chicago Title and Trust Company. For a year or two Mr. Jackson continued to practice under the old firm name. Then a new firm, Jackson, Busby & Lyman, the last named a son of his old friend and partner, was formed. Mr. Jackson took keen interest in public matters. In 1878 he was elected Supervisor of the South Town of Chicago. Later he was appointed receiver and attorney of the old Third National Bank by Comptroller John J. Knox. In 1888 he was elected president of the Chicago Bar Association. He was for some years a director of the Chicago Relief and Aid Society.

The strength of his splendid character was felt by those about him and was made manifest in his letters to his correspondents. Thus an old college friend, Rev. H. W. Swinnerton, writes: "I saw much of him when we were at Princeton together; we often walked together, and I felt it an honor and an encouragement to have his regard, and he certainly won from me a sincere and admiring affection, which I have never parted with and such as few men have ever been able to inspire in me. Our ways and work have lain far asunder, but I have heard with pride from time to time how he had won men's esteem and trust. An occasional exchange of letters has always brought back the feeling of uplift—a kind of communication of something of his superabounding exhilaration of life and strength. God bless his memory!"

Of his courage, born of the strength of his convictions, there is early evidence in an incident of his college life. According to the recollection of a friend, some of the students, after the attack upon Sumter, asked permission to raise the American flag. This was refused. The next evening a party of students, of whom Mr. Jackson was one, climbed to the roof of the principal college building and raised the flag there. All were suspended, and when afterwards the degree which he would have

received if he had not gone to the war was offered him, Mr. Jackson declined to accept it.

Mr. Jackson was a member of the Chicago Club, the University Club, the Calumet Club, the Chicago Literary Club, the George H. Thomas Post of the G. A. R., and of the Military Order of the Loyal Legion. Mr. Jackson remained unmarried. Three brothers and three sisters survived him, but sorrow over his loss hastened the death of an invalid sister, who followed him almost immediately.

Mr. Jackson was a warm and trusted friend of the late John Crerar. At Mr. Crerar's death he was with Mr. Norman Williams one of the executors of the will and a co-trustee of The John Crerar Library, then to be founded. It has been largely through the efforts of these two men, our lamented presidents, that this Library has been placed on the present promising footing. The influence of Mr. Jackson's wise judgment and legal knowledge was of inestimable value to the Board in its administration of the affairs of the library. By his death a wide rent has been made in the circle about this table; we all were bound to him by a sense of warm feeling and admiration. His kindness, refinement, and modest reserve were well balanced by his strength of character, his honesty and singleness of purpose. His absence from our meetings during the past two years has been a matter of keen regret. His death comes to us as a deep sorrow. We bemoan his loss both as companion and as aid.

FRANK S. JOHNSON,  
HENRY W. BISHOP,  
ROBERT T. LINCOLN.

Chicago, January 17, 1901.

31227  
ack

THE  
**JOHN CRERAR LIBRARY**

SEVENTH ANNUAL REPORT

FOR THE YEAR

1901



CHICAGO

PRINTED BY ORDER OF THE BOARD OF DIRECTORS

1902



## OFFICERS, 1902

---

*President*

PETER STENGER GROSSCUP

*First Vice-President*

HENRY W. BISHOP

*Second Vice-President*

THOMAS D. JONES

*Secretary*

ARTHUR J. CATON

*Treasurer*

WILLIAM J. LOUDERBACK

*Librarian*

CLEMENT W. ANDREWS

---

## BOARD OF DIRECTORS

---

MARSHALL FIELD

E. W. BLATCHFORD	PETER STENGER GROSSCUP
ROBERT T. LINCOLN	ARTHUR J. CATON
HENRY W. BISHOP	MARVIN HUGHITT
ALBERT KEEP	THOMAS D. JONES
JOHN M. CLARK	JOHN J. MITCHELL
FRANK S. JOHNSON	LEONARD A. BUSBY
CARTER H. HARRISON, Mayor of Chicago, <i>ex-officio</i>	
LAWRENCE E. McGANN, Comptroller of Chicago, <i>ex-officio</i>	

## STANDING COMMITTEES

---

*Finance*

MARSHALL FIELD

ALBERT KEEP	JOHN J. MITCHELL
-------------	------------------

*Administration*

E. W. BLATCHFORD

MARVIN HUGHITT	LEONARD A. BUSBY
----------------	------------------

*Buildings and Grounds*

JOHN M. CLARK

HENRY W. BISHOP	ROBERT T. LINCOLN
-----------------	-------------------

*Books*

FRANK S. JOHNSON

THOMAS D. JONES	ARTHUR J. CATON
-----------------	-----------------

## DIRECTORS, 1894-1902

---

NORMAN WILLIAMS	-	-	-	-	-	1894-1899*
HUNTINGTON W. JACKSON	-	-	-	-	-	1894-1901*
MARSHALL FIELD	-	-	-	-	-	1894-
E. W. BLATCHFORD	-	-	-	-	-	1894-
T. B. BLACKSTONE	-	-	-	-	-	1894-1899†
ROBERT T. LINCOLN	-	-	-	-	-	1894-
HENRY W. BISHOP	-	-	-	-	-	1894-
EDWARD G. MASON	-	-	-	-	-	1894-1895†
ALBERT KEEP	-	-	-	-	-	1894-
EDSON KEITH	-	-	-	-	-	1894-1896*
SIMON J. MCPHERSON	-	-	-	-	-	1894-1899†
JOHN M. CLARK	-	-	-	-	-	1894-
GEORGE A. ARMOUR	-	-	-	-	-	1894-1899†
FRANK S. JOHNSON	-	-	-	-	-	1896-
PETER STENGER GROSSCUP	-	-	-	-	-	1897-
ARTHUR J. CATON	-	-	-	-	-	1900-
MARVIN HUGHITT	-	-	-	-	-	1900-
THOMAS D. JONES	-	-	-	-	-	1900-
JOHN J. MITCHELL	-	-	-	-	-	1900-
LEONARD A. BUSBY	-	-	-	-	-	1901-

\*Deceased

†Resigned

## OFFICERS, 1895—1902

### *Presidents*

NORMAN WILLIAMS	- - - - -	1895—1899
HUNTINGTON W. JACKSON	- - - - -	1900—1901
PETER STENGER GROSSCUP	- - - - -	1901—

### *First Vice-Presidents*

EDWARD G. MASON	- - - - -	1895
HUNTINGTON W. JACKSON	- - - - -	1896—1900
PETER STENGER GROSSCUP	- - - - -	1900
HENRY W. BISHOP	- - - - -	1901—

### *Second Vice-Presidents*

MARSHALL FIELD	- - - - -	1895—1899
PETER STENGER GROSSCUP	- - - - -	1899—1900
HENRY W. BISHOP	- - - - -	1900—1901
THOMAS D. JONES	- - - - -	1901—

### *Secretaries*

GEORGE A. ARMOUR	- - - - -	1895—1900
ARTHUR J. CATON	- - - - -	1900—

### *Treasurer*

WILLIAM J. LOUDERBACK	- - - - -	1895—
-----------------------	-----------	-------

### *Librarian*

CLEMENT W. ANDREWS	- - - - -	1895—
--------------------	-----------	-------

## LIBRARY STAFF, 1902

---

<i>Librarian</i>	- - - - -	<b>CLEMENT W. ANDREWS</b>
<i>Assistant Librarian</i>	- - - - -	<b>ANDERSON H. HOPKINS</b>
<i>Cataloguer</i>	- - - - -	<b>AKSEL G. S. JOSEPHSON</b>
<i>Reference Librarian</i>	- - - - -	<b>HARRY A. MILLIS</b>
<i>Classifier</i>	- - - - -	<b>CLARENCE W. PERLEY</b>
<i>Assistant Cataloguer</i>	- - - - -	<b>MARY E. HAWLEY</b>
<i>Assistant Reference Librarian</i>	- - - - -	<b>CAROLINE MILES HILL</b>

### *Senior Assistants*

<b>EDITHA C. PHELPS</b>	<b>ELEANOR ROPER</b>
<b>SARAH S. DICKINSON</b>	<b>GERTRUDE FORSTALL</b>
<b>CHARLOTTE H. FOYE</b>	<b>ELIZABETH MONTROSS</b>

### *Junior Assistants*

<b>MARY EMILY MILLS</b>	<b>BLANCHE SEELY</b>
<b>CHARLES WITT</b>	<b>WILLIAM TEAL</b>
<b>PAULINE GUNTHORP</b>	<b>HARRIOT E. HASSLER</b>
<b>ANNIE LOUISE O'NEILL</b>	<b>FRANK L. GRIFFIN</b>

### *Attendants*

<b>DOUGLAS CALHOUN</b>	<b>CHARLES B. HARBAUGH</b>
<b>ELMER J. ROBINSON</b>	<b>PAUL VAN CLEEF</b>
<b>FRANK F. STEPHENS</b>	<b>OSCAR NORMAN</b>

### *Pages*

<b>EDWARD RAY</b>	<b>JOSEPH BLIGHT</b>
	<b>WARREN ROANE</b>

<i>Janitor</i>	- - - - -	<b>THEODORE F. WILLIAMS</b>
<i>Assistant Janitor</i>	- - - - -	<b>WILLIAM R. BICKHAM</b>

gratifying. The visitors were nearly 55,000, an increase of 14,000; the total use was 125,000 books and periodicals, a gain of thirty-four per cent over last year. There have been added during the year 10,787 volumes, making the total accessions to January 1, 1902, 76,432 volumes.

Respectfully submitted.

PETER STENGER GROSSCUP,

CHICAGO, January 16, 1902.

President.

## REPORT OF THE TREASURER.

### STATEMENT OF FINANCES FOR YEAR 1901.

#### CASH.

**Cash on hand January 1, 1901:**

In bank	-	-	-	<b>\$25,602.39</b>
Librarian, petty cash	-	-	-	<b>164.42</b>

---

#### RECEIPTS.

**Collections account income** - - - **\$152,770.34**

**Bills Collectable** - - - - **35.20**

**Investments:**

Stocks - - - - **37,574.00**

Bills Payable - - - - **20,000.00**

Accounts Receivable - - - - **5,740.00**

**Books:**

Claim for loss on books in fire at bindery,

February 18th	-	-	<b>803.91</b>	<b>216,923.45</b>
				<b>\$242,690.26</b>

#### DISBURSEMENTS.

**Audited Vouchers** - - - - **\$93,246.25**

**Investments:**

Bonds - - - **\$66,613.80**

Stocks - - - **56,200.00**

Bills Payable - - - - **122,813.80**

**20,000.00**

**236,060.05**

**Cash on hand December 31, 1901:**

In bank - - - - **\$6,457.73**

Librarian, petty cash - - - - **172.48**

**6,630.21**

## REPORT OF THE TREASURER.

## OPERATION.

INCOME	-	-	-	-	-	\$168,746.32
--------	---	---	---	---	---	--------------

## EXPENSE.

## Administration:

Rent, Light, etc.	-	\$19,070.96
Salaries, Wages	-	28,945.73
Supplies	-	1,743.52
Printing	-	2,996.18
Transportation, Postage	-	742.70
Sundries	-	6,166.62
		<u>\$59,665.71</u>

## Books:

Books	-	\$20,222.32
Periodicals	-	4,800.44
Binding	-	5,241.55
Lettering, Repairs	-	1,146.40
		<u>31,410.71</u>

## Buildings and Grounds:

Repairs	-	\$525.58
Depreciation	-	1,688.23
		<u>2,213.81</u>
		<u>93,290.23</u>

Surplus for year 1901:		
Carried to Building Fund	-	-
		<u>\$75,456.09</u>

## ASSETS.

Bonds	-	\$1,861,844.26
Stocks	-	1,008,308.00
Mortgage and Other Loans	-	910,000.00
Furniture and Fixtures	-	15,194.10
Book Investment	-	148,337.59
Accounts Receivable	-	8,725.00
Bills Collectable	-	23.64
Cash	-	6,630.21
Total	-	<u>\$3,959,062.80</u>

## LIABILITIES.

Endowment Fund	-	\$3,400,000.00
Building Fund	-	394,525.43
Book Fund	-	148,337.59
Security Reserve Fund	-	16,199.78
Total	-	<u>\$3,959,062.80</u>

## REPORT OF THE LIBRARIAN.

TO THE BOARD OF DIRECTORS OF THE JOHN CRERAR LIBRARY.

*Gentlemen*,—For several reasons the past year is notable in the history of the library. The action taken by the Directors toward securing a central location for the permanent building on the Lake Front Park is not only of the greatest importance in respect to the future of the library, but also has had a marked effect in increasing its present usefulness, by calling attention to its readiness and ability to meet the wants of people who hitherto have not heard of its existence. The library has come into closer relations with other institutions, and especially with the Library of Congress. The additions have been much above the average in quality. On the other hand it has suffered, through fire, its first considerable material loss.

In March the Librarian was instructed to prepare an estimate of the amount of space which would probably be required for the next forty or fifty years. His report included shelf-room for one million volumes, a reading-room for four hundred readers, a periodical reading-room for one hundred readers, other special reading and study rooms, and proportional provision for administration. These requirements were fully and apparently very conveniently met in the sketch plans prepared by the consulting architects. The estimate of space required for storage of books and administration was based upon a given probable income and an allowance for acquisitions by gift deduced from the experience of six years, and should be reasonably accurate. That of the space required for readers, however, is very uncertain. All our experience indicates that there are many people in the city to whom the library could be of service who yet know nothing about it, and who will learn of its existence and character very tardily, if at all, while it remains in its present inconspicuous quarters. It is true that this knowledge has spread in the past by personal communication, and, as has been said, much

more widely this year through the attention attracted by the efforts to secure a site, and that much may be expected from the publication of a handbook, as contemplated by the Committee on Administration. On the other hand, the capacity of the present quarters is limited, and this limit may be reached before the termination of the present lease, though the lessening of individual comfort and convenience will act with increasing power in the other direction and may even bring the attendance to a standstill within this limit without proving that the library has reached its maximum usefulness. The experience of nearly every library on moving into more commodious quarters, provided they are conveniently situated, and notably the experience of the Chicago Public Library, would confirm this opinion. While it might not be well, for administrative reasons, to make the main reading-room much larger than that suggested in the report, the permanent building should provide ample space which might be used to supplement and relieve it.

One of the most important events in recent years for American libraries is the offer of the Library of Congress to supply printed catalogue cards at little more than the cost of stock and presswork. The economy and other advantages of such an opportunity would seem to be very considerable and well worth the attendant inconveniences of delay and change in routine. But, wholly apart from and above the success or failure of this particular experiment, is the advance implied in the general recognition of the principles involved, namely, that some things at least can be done best by one library for all, and on the part of Congress, that its library is the one to do these things so far as is within its power. In return, the other libraries should recognize their obligation to assist in all practicable ways the Library of Congress. The John Crerar Library is already pledged to do so, and now sends to Washington a copy of its order-sheets, receiving copies of the titles of their accessions in galley form, for the more convenient ordering of printed cards and the more prompt notification of the publication of copyright books. The relations between the two libraries are not limited to those mentioned. They now exchange one copy of each printed catalogue card. Fortunately the return of the set previously sent the Newberry Library, men-

tioned in the report for 1900, makes it possible to extend the exchange backward as well as forward, so that eventually each library will have a complete set of the other's printed cards. The importance of having such a set in the city has seemed to the Committee to justify fully the expense of maintenance, though that involves the receipt, arrangement, and storage of some sixty thousand cards annually. In addition, the Library of Congress has made the John Crerar Library a depository of the bills and resolutions of Congress, and has sent those for the last Congress, so that the set will be practically complete from the beginning of the century. This, also, is material which is not to be found elsewhere in the city, and which should be of value to students.

During the evening of February 18, a serious fire occurred in the premises of the binders for the library, Messrs. P. Ringer & Hertzberg, 108-110 Randolph Street. The books, pamphlets, and other property of the library there at the time were found to be practically a total loss. They numbered 177 books, 166 volumes of serials, 112 pamphlets, 112 pamphlet cases, and 101 sample backs. Of these, 66 pamphlets and 8 volumes of serials were accepted in a damaged condition, leaving a net loss of 177 books, 158 volumes of serials, 46 pamphlets, and the other property. Their cost, with a reasonable allowance for the value of the gifts, was \$803.71, and a claim for this amount was promptly paid by the insurance companies. It of course does not compensate the library at all for the serious addition to the routine work involved in replacing the volumes destroyed, the effect of which has been felt throughout the year. Nor, unfortunately, has it been possible to replace some of the volumes, so that breaks have been left in our sets which damage their value far more than the original cost of the missing volumes. This experience emphasizes very strongly the desirability of providing fire-proof quarters for a bindery in the permanent building, and of so administering the work as to risk as few volumes as possible.

The library was open every week-day in the year, with the exception of September 19, the day of the funeral of President McKinley. From an examination of the first table of library statistics it will be seen that 54,828 visitors were recorded, a

daily average of 175; 32,193 call-slips for books and 9,741 for periodicals were presented and filled; and 1,046 visitors were admitted to the stacks. A comparison of these figures with those of previous years is given in the same table. Over 1900 the increase in visitors was 13,131, or 31 per cent; in combined calls for books and periodicals, 9,281, or 28 per cent. As there is no reason to suppose that the ratio of total to recorded use has changed materially, though it probably has increased rather than diminished, the total use of the library may be estimated at 125,000 books and periodicals. The increase in the use of periodicals is in spite of a large reduction of the number kept in the periodical alcove, as explained later.

The smallest attendance in any one day was 58, on December 25, and the largest 314, on February 2; the corresponding figures for the previous year were 35 and 282 respectively. The average evening attendance has been 36, an increase of 6 over the previous year. It is now considerably above what was thought probable when the evening opening was decided upon.

The attendance on those holidays which are generally observed as such has been as follows:

	RECORDED ATTENDANCE	AVERAGE FOR MONTH	RATIO
New Year's Day -----	92	167	.55
Memorial Day -----	112	154	.73
Independence Day-----	61	143	.43
Thanksgiving -----	72	214	.34
Christmas-----	58	205	.28
Total -----	395	881	
Average -----	79	175	.45

In 1900 the total attendance for the same holidays was 320 and the ratio .46, so that the holiday attendance has kept even pace with the total attendance.

A detailed classification of the call-slips and admissions to the stack is given in the second table of library statistics. The following comparison of the totals and percentages for each department with the corresponding figures for 1900, shows that the rate of increase in the use of books and periodicals is remarkably constant for each department:

	RECORDED USE				ADMISSIONS TO THE STACK			
	1900		1901		1900		1901	
	Total	Percent- age	Total	Percent- age	Total	Percent- age	Total	Percent- age
General Works-----	7,461	23	9,971	23	122	12	107	10
Social Sciences-----	5,184	16	6,221	15	139	14	97	9
Physical Sciences -----	4,412	13	6,196	15	208	20	199	19
Natural Sciences -----	2,365	7	2,942	7	260	26	292	28
Applied Sciences-----	13,231	41	16,604	40	290	28	351	34

The proportionately large fluctuations in the admissions to the stack are due partly to the small total number, which allows too great influence to accidental variations, and partly to the increase in specific entries in the catalogues and of other reference aids in certain subjects. The latter cause also diminishes the total number of admissions since it makes unnecessary in many cases a random search through many volumes, formerly the object of many admissions. This gives increased weight to what should be the main reason, namely, the intention of making special researches requiring the consultation of sets of periodicals or folios, typewriting, dictating, etc. This explanation of the small total increase and actual diminution in some departments has been confirmed by conversations with some of the holders of passes, who say that as the catalogues increase in fullness, they prefer to consult them rather than the shelves. Seven additional passes have been granted during the year, and two have been given up, making the total nominally in force 59, but the holders of some ten more are known to be dead or to have removed from the city. Of those effective 28 have been used 209 times, and the remaining 837 admissions have been by registration.

A comparison of the individual subjects again proves the general rule of an increase, the exceptions being few and of minor importance. The order of the subjects, however, shows some variation. In 1900 the five leading subjects in the order of the number of calls for books were Engineering, Physics, Chemical Technology, History and Geography, Chemistry; in 1901, Engineering, Physics, Trade and Transportation, Chemical Technology, History and Geography. The increase in the calls for publications of general societies, in Philosophy, in Astronomy, and in Trade and Transportation more than doubled. It must be remembered that only the recorded use is considered, and that the total use may be quite different; indeed it is evident that

the low recorded use in the Natural Sciences is partially accounted for by the proportionally large number of readers in the stack.

A disagreeable but apparently unavoidable result of the increased amount of work at the delivery desk is the increase in the time required to fill calls. In 1901 the average time was 2.05 minutes as against 1.64 minutes in 1900, and only 82 per cent were filled in 3 minutes, as against 94. Undoubtedly the loss of Mr. Bailey, who had been at the desk from the opening of the library, helped to increase this difference, and the frequent changes in the attendant in charge on the fifth floor have been a factor. In this connection the difference between the time necessary to fill calls from the two floors should be noted. Those for books on the sixth floor, which for the most part were filled by the desk attendant directly, required 1.79 minutes on the average, while those for books on the fifth floor, for which the slips had to be sent down in the book lift, received and filled by the attendant there and the books sent up on the lift, required 2.64 minutes. There were, however, almost exactly twice as many sixth as fifth floor calls. The point is of interest not only as helping to explain the increase in the time required, but also in forecasting the probable efficiency of service under the general arrangement of delivery desk and stack shown in the sketch plans for the permanent building. From these figures it may be said with some confidence that the average time should not exceed four minutes, at least until the library exceeds 500,000 volumes.

While no regular publication of the library other than its annual report has appeared during the year, one in which it is greatly interested, the "List of Serials in Public Libraries of Chicago and Evanston" compiled by the Chicago Library Club, was published in October. The four larger libraries of the city joined in guaranteeing the expenses of publication of an edition of 500 copies. Subsequently the John Crerar Library decided to issue an annual cumulative supplement, and thinking that this would make a more permanent demand for the original list, offered to guarantee the cost of 500 additional copies. Under this agreement, the library paid \$238 as its share of the expense and received 350 copies. Of these 140 were returned to the club for distribution to a consolidated list of the exchanges

of the four libraries, and ten were bound for use in the library. Of the remainder one has been sent in exchange, and two have been sold at the price, one dollar, fixed by the club. With each copy has been sent an announcement of the proposed supplement and a mailing-card request for notification of the publication of the first issue. Nearly all the American recipients have sent in this request, which indicates that the work is considered of value outside the city and its vicinity. Within the library it is in constant use.

The appearance of the Sixth Annual Report, a pamphlet of forty pages, was delayed by the preparation of a memorial of Colonel Jackson. It contained also a photogravure which is considered a very satisfactory portrait. The usual edition of 4,000 copies was printed and the greater part distributed in August.

Work on the "List of Periodicals Currently Received" was postponed in order to use the "Union List" as copy. The material is now nearly ready for the printer. Progress has been made, also, on the "List of Subject Bibliographies," and that should appear in the first part of 1902. Of the "List of Books in the Reading-room" 26 copies have been sold, 29 sent in exchange, and 1 for review, leaving 67 copies on hand, most of which are needed for the preparation of a second edition.

The distribution of catalogue cards to the Armour Institute of Technology, Chicago Public Library, Field Columbian Museum, Northwestern University, University of Chicago, and University of Illinois, has been continued throughout the year, and to the Library of Congress since November. As stated in the Sixth Annual Report, on January 2, 1901, the Newberry Library returned nearly all of those which it had received. This set will be used to complete the exchange with the Library of Congress. The Committee also authorized copies of catalogue cards to be supplied to any one at three dollars per thousand if all are taken, at one cent a title for a class, and at two cents a title for a selection. Under this arrangement a few titles were supplied to a neighboring library before the broader and more economical offer of the Library of Congress was made. The first instalments of the Library of Congress cards have been received and are being arranged. Some sixty thousand

titles have been printed already, and about the same number will be printed each year.

More work in selection and ordering has been done this year than ever before, in spite of the hindrance occasioned by the long absence, on special leave, of the senior assistant regularly in charge. While an effort was made to distribute the orders as fairly as possible over all subjects, the results seem to show that the present distribution of the appropriation does not furnish as liberal allowances to Applied Sciences and Social Sciences as to the other departments. The action of the Directors in transferring balances prevented any stoppage of orders in the departments named, which otherwise would have been serious. During the year 7,033 orders have been given. Of these 417 failed or were canceled, leaving 6,616 valid orders, covering 10,245 volumes at an estimated cost of \$25,649.27. Of outstanding orders 6,097 were filled, covering 9,438 volumes at a cost of \$20,226.98, leaving outstanding 1,230 orders, covering 2,790 volumes at an estimated cost of \$10,331.55. These figures include the purchases from the first portion of the Milne-Edwards collection sold in Paris in May, and the bids at the sale of the second portion in December. For these sales an additional appropriation of \$10,000 was made, and of this amount about \$7,300 used. There were obtained in all 284 lots, comprising 1,561 volumes, including all but four of those which were considered of the first importance. In making the selection the library had the advice of Professor D. G. Elliot, of the Field Columbian Museum, and of Dr. C. B. Davenport, of the University of Chicago. These purchases greatly strengthen the library in zoölogy and the natural sciences generally.

The Committee on Books has accepted the offer of our agents to send on inspection, with the privilege of returning any not wanted, as soon as out, all important works, in foreign languages, in the lines of the library. They ask for this service a slightly higher rate than for orders without privilege of return. The first invoice under this arrangement has been received. While it must still be considered an experiment, the indications are that it will shorten materially the average time before a book is on the shelves, and thus extend perceptibly the term of its usefulness.

The total accessions for 1901 have been 11,320, of which 1,882 have been received by gift and 9,438 obtained by purchase. Volumes made by binding serials are included in these figures. There have been withdrawn 533 volumes (381 of these were destroyed by fire), leaving the net accessions for the year 10,787, which with the 65,645 reported in 1900, make a total now on the books of 76,432. Besides these nearly two thousand more are awaiting entry and eleven cases are on the way from Paris. While as a rule consignments of new books have been handled promptly, the pressure of other work and the receipt of several large gifts have combined to cause this accumulation, which keeps unavailable much valuable material. The classification of the accessions of 1901 and of the total now in the library is shown in the second table of library statistics. All departments show a considerable gain, though the increase in the Physical Sciences is decidedly less than in previous years. The totals and percentages in each department are as follows:

DEPARTMENT	ACCESSIONS 1900		TOTAL IN LIBRARY	
	VOLUMES	PERCENTAGE	VOLUMES	PERCENTAGE
General Works-----	1,799	17	15,389	20
Social Sciences-----	3,055	28	19,161	25
Physical Sciences-----	1,013	9	11,393	15
Natural Sciences-----	1,576	15	10,710	14
Applied Sciences-----	3,344	31	19,779	26

An important change has been made in the treatment of serials. Only publications which do not appear in complete volumes, are of composite character, and are intended to continue publication indefinitely will be kept in the periodical alcove. All other serial publications will be considered as continuations, and placed in charge of a special assistant. This has caused the removal of several hundred publications from the periodical alcove and a corresponding reduction in the number of periodicals reported in the second table of library statistics. Many of these are bulletins of libraries, experiment stations, etc., received as gifts and most of the others were continuations paid for individually and not subscribed for. These facts partially explain why the subscription price has not decreased with the number. The new continuation record now contains 2,368 titles, of which 424 have been added during the year; 526 remain to be entered upon it, so that the total of serials not periodicals

is 2,894. The periodicals now in the periodical alcove number 1,468, of which 180 are received as gifts. Their classification and cost during 1901 are shown in the second table of library statistics. Large as the number of serials currently received may seem, it is but a small proportion of all published in our special field, or even of those indexed and so made available to our readers. If the proposed International Catalogue of Scientific Literature is actually carried out upon the scale indicated by the lists of periodicals issued by its projectors, it is evident that the library will have either to increase largely its subscription list or to offer only a partial answer to scientific questions. In our present quarters it would hardly be possible, and it is doubtful if it would be desirable, to care for properly all the 4,000 contained in the lists mentioned, but it might be feasible to add quite a number of the more important which are not now taken in any other library in the city.

The most notable purchases of the year are those from the Milne-Edwards library, including Schreber, *Säugetiere*; Blainville, *Ostéographie*; Dresser, *Birds of Europe*; Gould, *Birds of Asia*, *Birds of Australia*, *Birds of New Guinea*, and *Icones avium*; *Paleontologie française*; Pictet, *Matériaux pour la paleontologie suisse*; and many complete sets, among them, *Ibis*, *Stray feathers*, *Mémoires de la Société Paléontologique Suisse*, and the publications of the Museums of Natural History at Paris, Genoa, and Cambridge, Mass. Besides these may be mentioned a collection of works on Chicago and Illinois, including a number of early Chicago documents; *Diccionario enciclopédico hispano-americano*; a set of Paris municipal documents and reports; *Statistique générale de la France*; Reynaud, *Travaux publics de la France*; and Saccardo, *Sylloge fungorum*. Many sets of serials have been completed, including *Globus*, *Fortnightly Review*, *Archivio per l'antropologia*, *Annales du Bureau Central Météorologique*, and the *Transactions of the Cambridge Philosophical Society*.

There were received 5,720 gifts from 692 donors, of which 1,882 were entered in the list of accessions. The figures for 1901 were 3,829, 545, and 2,045 respectively. Could the large number which are still unpacked have been taken care of, the number entered would have exceeded that of any previous year. Among the more noteworthy are a collection of insurance peri-

odicals from Mr. Chas. E. Rollins; of technical periodicals from the D. H. Ranck Publishing Co.; of New York documents from the State Library; of California documents from the State; of Iowa documents, in supplement to a considerable purchase, from the Iowa State Library; of the publications of the Boards of Health of Iowa, Kansas, Ohio, and Vermont, from the Boards; and of the publications of the American Pharmaceutical Association from the Association. Mention should be made, also, of the kindness of a number of donors in sending us duplicates of works lost in the fire.

As was stated in the Sixth Report, no inventory was taken in 1900, so that the one made in 1901 discovered the losses of two years. Only seventeen recorded volumes, not missing before, were not found; and some missing in previous years were found, so that the complete record is as follows: 1897, originally missing 4, now 3; 1898, originally 11, now 4; 1899, originally 6, now 2; 1901 17, a total of 27 from the opening of the library. Of the seventeen missing since the last inventory four disappeared from the Reading Room, but nearly all the others are of a character to warrant the hope that they may be found later. None is of any considerable pecuniary value. The four missing since the 1898 inventory will now be withdrawn.

The other object of the inventory is to correct misplacements. The record shows that these were by no means as numerous as had been feared. Ignoring all cases where the volumes were simply out of order on their proper shelf, the misplacements found were only 207, and of these only 50 were serious. It is true that this is the record of fifteen months rather than two years, since all the books were rearranged in August and September, 1900, when the new stack-room was occupied, and yet this very rearrangement may well have caused some confusion. In general it is not possible to decide what proportion of these misplacements is due to the inexperience and carelessness of the pages and what to the attempts of readers allowed the privilege of the stacks to replace books on the shelves. Fortunately, an answer to the question is not required as the total effect is too small to bring into question, on this ground, the granting of this privilege to those who can benefit by it.

Still the necessity of an inventory at least every second year is clearly shown. The expense at present is not great, being less than \$100 in time. This, however, must increase much more rapidly than the number of the books so that a change from the present form of shelf-list to one on cards is under serious consideration. By utilizing copies of our printed cards for the entry of individual works and retaining the present sheets for serials, it may be possible to secure a list which can be read much more rapidly against the shelves and at the same time will be more economical to prepare. If effective precautions can be adopted to obviate the great objection to records on cards, namely, their liability to destruction without detection, these advantages should be sufficient to decide the question.

On January 1, 1901, there were at the bindery 350 volumes, and 4,568 were sent to be bound during the year; 4,125 were received from them, and 348 were burned; leaving 445 at the bindery December 31, 1901. In addition to the 348 volumes reported above 19 sample volumes and 14 volumes sent to be lettered were burned. The cost of binding was \$5,241.55, an average of \$1.27 per volume. The cost of lettering and repairs, including also the pasting of order slips, was \$1,146.40.

It is greatly to be regretted that the cataloguing has not kept up with the accessions, in spite of the most earnest endeavor and hard work on the part of the staff. Some of the causes of this arrearage are temporary, such as the unusually large number of titles prepared in the last months of 1900, which had to be filed in 1901, the changes necessary to make the classed catalogue conform in its arrangement of zoölogy with the index published at Zurich, and the loss of time and efficiency caused by the fire and by changes in the staff. Other causes are more permanent, such as the increased proportion in the accessions of single works and folio volumes as against long sets, and the new work on the subject and topographical indexes. While considerable relief may be expected later from the Library of Congress and some may be obtained by a better distribution of the work, it is plain that additional assistance is required if the accessions are to continue at their present rate and are to receive the present careful treatment, the arrears made up, and the bulletins which have been authorized by the Committee prepared. The publication of

these bulletins is not only desirable for the better administration of the library, but is even more important as enlarging the field of its usefulness. Incidentally they extend its reputation and, while they are not offered as an equivalent in exchange, they secure for the library valuable gifts and attention to its requests for information.

The Cataloguer reports that 5,032 new titles have been prepared for print, 141 new titles typewritten, 76 old typewritten titles prepared for print, 553 old printed titles recatalogued, 554 titles prepared for the coöperative analysis of current serials, and 584 such titles, prepared by other libraries classified for our catalogues. The total number of titles treated by the Cataloguer and his assistants, therefore, is 6,940. The titles reprinted in correction of errors were 72. Cards for 6,384 titles have been received from the printer and 6,596 electrotypes from the electrotypers. The total number of separate titles prepared to date is 30,552; of sets of cards received 30,005; of electrotypes 29,232. For the alphabetical subject index 6,726 guides have been printed, making a total of over 9,000. This completes the main body of guides and permits the filing of the cards, which has now been begun.

Many perplexing questions in regard to the form of the titles from the British Blue Books have been settled in consultation with the Librarian of Harvard University and final proof has been read for some 600 of these titles. In continuance of the coöperative analysis of serials the library has furnished 554 titles and received cards for 2,687 at a net cost of \$54.46. Cards for 982 titles have been filed in the catalogues, making a total of 3,309.

During the year 14,100 cards have been filed in the classed catalogue which now contains some 33,200 titles on 63,600 cards, an average of 1.92 cards to a title; 11,200 cards have been filed in the author catalogue which now contains the same 33,200 titles on 52,200 cards, an average of 1.57 cards to a title. The distribution of the entries in the classed catalogue is shown in the second table of library statistics. The topographical index is not included in these figures.

The most important development in the cataloguing during the year is the determination of the relation of the alphabetical

subject-index to the classed catalogue. It has been decided not to make entries in the former which would exactly duplicate any collection in the latter, so that a single reference gives the public all the titles, and no others, on a specific subject. On the other hand, entries will be made under headings which will collect material separated in the classed catalogue because of its relations to broader subjects and also under those which will separate material collected in the classed catalogue. For example, entries will be made under *Abattoirs* which will bring together material which is divided in the classed catalogue under 614 *Public Health*, 628 *Sanitary Engineering*, 725 *Architecture*; entries also will be made under *Abelian Functions* to separate this material from the rest of the subject of *Elliptic Functions*, undivided in the classed catalogue; but no entries will be made under *Academic Degrees* because a single reference to the classed catalogue will give all the specific entries on that subject, and no others. Each tray of the index contains a statement that it is intended to be mainly an index to the classed catalogue, and that while it contains entries on some specific subjects it does not fully represent the resources of the library on them.

The library has been represented officially by the Librarian and Assistant Librarian and unofficially by nine other members of the staff at the annual meeting of the American Library Association at Waukesha, July 3 to 10, and at the special meeting of the Illinois State Library Association at the same place, July 4. It has been represented officially by Miss Roper, senior assistant, and secretary of the Illinois State Library Association, at the annual meeting of that association at Lincoln, February 21 to 23; and unofficially by the Librarian at the meeting of the New York State Library Association at Lake Placid, September 23 to 28.

In recognition of the importance of the work of classification of books for the catalogues, the position of Classifier has been established and Mr. C. W. Perley, senior assistant, has been appointed to it. Miss Zimmermann and Mr. Bailey, junior assistants, Messrs. Buck, Conrad, Konsberg, and Nash, attendants, W. F. Rodger, acting attendant, and E. E. Jahnke, page, have left the service. To fill these vacancies, Miss Blanche Seely and Mr. William Teal have been appointed junior assist-

ants, Messrs. Harry W. George, Frank L. Griffin, Elmer J. Robinson, Frank F. Stephens, and Charles B. Harbaugh, attendants; Joseph Blight and Warren Roane, pages. Provision has been made also for a temporary junior assistant to arrange the Library of Congress cards and Miss Harriot E. Hassler has been appointed to this position. Special leaves of absence were granted to Misses Phelps and Dickinson, senior assistants, and their places were filled by shifts in the staff and the temporary services of Misses Blanche Seely, Annie M. Mead, and Ida L. Jackman. The library is greatly indebted to the whole staff, both permanent and temporary, for earnest and faithful services which have gone far to neutralize the bad effects of so many changes.

Respectfully submitted.

CLEMENT W. ANDREWS,  
Librarian.

CHICAGO, January 16, 1902.

LIBRARY STATISTICS: I.  
RECORD OF ATTENDANCE AND USE FOR 1901.

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.	TOTAL 1901	INCREASE PER CT.
Visitors	4514	4085	5200	4838	4169	3638	3862	4499	3795	5387	5372	5339	54,828	41,697
Daily Average	167	170	200	186	154	143	143	103	158	200	214	205	175	134
Books Drawn from Stack	3016	2727	3101	2687	2529	2119	2008	2475	2079	3110	3221	3121	32193	23,986
Daily Average	112	114	119	103	94	84	75	92	87	115	124	120	103	77
Periodicals Drawn from Alcove	846	733	1012	703	783	598	683	681	756	891	966	1089	9741	8667
Daily Average	31	31	39	27	29	24	25	32	32	33	37	42	31	28
Visitors Admitted to Stack	68	72	87	77	67	95	87	89	64	93	105	142	1046	1019
														3

<sup>27</sup> Smallest attendance, 58 on December 25th. Largest attendance, 314 on February 2d.

COMPARISON BY YEARS.

	1897 9 mos.	1898	1899	1900	1901
Visitors	18,584	30,516	34,827	41,697	54,828
Daily Average	80	99	113	134	175
Books Drawn from Stack	6,995	15,367	18,890	23,996	32,193
Daily Average	30	50	61	77	103
Periodicals Drawn from Alcove	3,864	7,213	8,013	8,667	9,741
Daily Average	17	23	26	28	31
Visitors Admitted to Stack	359	656	1,017	1,019	1,046
Volumes in Library	29,141	43,061	55,223	65,645	76,424

LIBRARY STATISTICS: II.

Subjects	ORDERS				ACCESSIONS				CATALOGUE				PERIODICALS				RECORDED USE			
	1901		Total		1901		Total		1901		Total		1901		Books		Periodicals		1901	
	Vol.	Est. Cost	Vol.	Est. Cost	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	Stack		
I.—GENERAL WORKS:																				
0 Unclassified - - - - -	196	\$800 47	787	\$2,071 13	32	631	1,740	4	\$ 11 36	547	14	26								
1 Bibliography - - - - -	932 40	1,828	4,675 57	418	2,083	3,616	91	276 25	550	73	12									
2 Library Economy - - - - -	117 03	828	810 63	110	729	940	26	26 06	566	47	7									
3 Cyclopedias - - - - -	42	75 64	908	1,431 80	50	882	1,33	1	2 82	77	1	- - -								
4 Collected Works of Authors	18	29 82	158	384 03	15	149	88	- - -	1,80	2,88	1	- - -								
5 General Periodicals - - - - -	317	565 82	2,572	3,055 04	339	2,862	272	78	299 76	1,127	9									
6 General Societies - - - - -	268	302 96	2,484	8,165 20	95	2,751	336	73	154 41	601	28	12								
7 Exhibitions and Museums - - - - -	128	141 77	707	735 25	102	592	608	12	5 31	124	5	- - -								
8 Special Libraries - - - - -	115	208 46	352	564 96	82	332	496	12	34 51	171	29	1								
10 Philosophy - - - - -	168	186 38	520	858 69	110	555	725	13	51 32	1,090	56	6								
13, 15 Psychology - - - - -	13	21 26	74	89 62	11	76	88	- - -	77	1	- - -									
16 Logic - - - - -	52	165 99	596	1,109 59	52	416	576	- - -	249	- - -	1									
40 Philology - - - - -	381	814 22	1,979	4,159 91	312	2,260	432	1	1,272	- - -	6									
90 History and Geography - - - - -	71	174 22	468	1,068 66	71	1,071	2,836	23	78 36	181	24	27								
	2,185	\$4,536 44	1,4261	\$29,780 08	1,799	15,389	12,906	334	\$940 16	6,812	3,159	107								
II.—SOCIAL SCIENCES:																				
17 Ethics - - - - -	61	\$ 65 04	203	\$ 213 43	63	224	416	5	\$ 5 59	140	33	- - -								
20 Religion - - - - -	26	47 08	85	140 02	32	133	416	1	90	170	1									
30 General Works - - - - -	89	156 59	1,6669	1,736 61	103	1,073	1,985	38	92 45	626	116	14								
31 Statistics - - - - -	131	253 41	1,107	1,230 30	168	900	616	22	53 84	1,17	42	4								
32 Political Science - - - - -	92	137 77	544	590 40	106	900	912	4	3 76	261	56	40								
33 Political Economy - - - - -	336	483 76	2,783	2,931 52	528	3,120	3,998	67	176 54	790	538	3								
34 Law - - - - -	45	89 51	256	555 00	84	454	640	6	14 35	168	1	3								
35 Administration (including Public Documents)	864	1,527 94	2,158	2,822 13	1,063	7,593	2,192	27	173 07	370	54	14								
36 Associations and Institutions - - - - -	83	117 35	614	600 73	167	870	757	20	50 78	2,16	12	3								
37 Education - - - - -	281	344 81	1,612	1,979 61	504	3,398	2,240	63	86 66	1,71	207	8								
38 Commerce and Communication - - - - -	175	340 26	601	1,138 03	173	1,208	872	26	59 01	340	392	5								
39 Customs, Folklore, etc. - - - - -	56	81 67	264	421 36	64	288	576	6	13 39	392	9	2								
	2,239	\$3,645 19	11,896	\$14,359 14	3,055	19,161	15,620	285	\$730 34	4,761	1,460	97								

SUBJECTS	ORDERS			ACCESSIONS		CATALOGUE		PERIODICALS		RECORDED USE				
	1901	Est. Cost	Total	1901	No.	Total	1901	No.	Cost	Books	Periodicals	Stack		
<b>III.—PHYSICAL SCIENCES:</b>														
50 General Works	\$714	92	2,318	\$5,194	59	145	2,461	22	\$ 63	69	332	25		
51 Mathematics	173	12	1,756	4,305	34	166	1,782	1,401	95	74	1,042	11		
52 Astronomy	113	31	1,994	4,359	84	161	1,964	1,369	66	68	590	12		
53 Physics	263	71	2,460	4,881	14	307	2,632	2,912	164	56	2,321	40		
54 Chemistry and Mineralogy	437	24	2,918	6,654	17	234	2,554	2,265	34	210	22	1,170	66	
	1,264		\$2,432	30	11,452	\$25,395	95	1,013	11,393	8,459	151	\$600	29	
<b>IV.—NATURAL SCIENCES:</b>												199		
55 Geology	402	96	2,235	\$4,437	11	275	2,401	2,512	46	\$106	15	666	16	
56 Palaeontology	398	91	363	1,600	73	19	265	544	4	12	18	15	1	
57 Biology and Natural Sciences in General	2,576	16	3,900	13,810	97	474	3,493	2,560	73	291	99	744	63	
58 Botany	1,118	64	1,586	6,188	24	228	1,617	1,888	52	209	89	597	21	
59 Zoology	5,569	44	3,293	19,730	30	580	2,934	3,728	78	581	94	836	73	
	2,131		\$10,066	11	11,287	\$45,766	45	1,576	10,710	11,232	253	\$1,202	15	
<b>V.—APPLIED SCIENCES:</b>												292		
60, 70 General Works	\$ 301	52	2,778	\$5,270	19	197	3,183	824	69	\$196	49	659	1,170	
61 Hygiene	327	48	1,081	1,646	98	328	1,398	1,726	44	108	80	1,252	187	
62 Engineering	1,709	88	6,214	10,976	96	1,132	6,283	4,488	127	363	94	3,631	1,340	
63 Agriculture	146	262	22	1,742	1,721	68	314	2,093	1,408	25	61	84	685	
64 Domestic Economy	131	45	314	298	17	123	334	392	6	4	5	339	48	
65 Trade and Transportation	385	68	1,416	2,668	31	565	1,884	1,480	41	88	43	1,755	206	
66 Chemical Technology	223	492	77	1,441	3,272	24	172	1,452	1,472	41	134	82	1,676	380
67, 68 Manufactures and Trades	112	196	65	949	1,554	13	161	1,112	1,024	32	70	14	638	164
69 Building	191	46	635	1,252	67	152	677	720	12	30	54	627	90	
70 Landscape Gardening	12	22	81	132	183	24	151	200	3	4	50	41	---	
72 Architecture	36	150	86	163	638	62	61	261	472	18	87	21	205	
73-76 Drawing, Design, etc.	43	324	94	466	1,262	71	38	454	748	7	25	32	295	
77 Photography	35	16	41	396	58	29	77	497	448	20	37	36	239	
	2,426		\$ 4,969	23	17,717	\$29,993	67	3,344	19,779	15,404	445	\$1,213	44	
Total	10,245		25,649	27	66,613	145,204	39	10,787	76,432	63,621	1,468*	4686*	38	

\* ~~80~~ by gift.

## LIST OF DONORS.

	Volumes or Pamphlets.
Abbot, Edwin H., <i>Boston, Mass.</i>	1
Academy of Science of St. Louis, <i>St. Louis, Mo.</i>	1
Acme Road Machinery Co., <i>Frankfort, N. Y.</i>	1
Adler Color & Chemical Works, <i>New York, N. Y.</i>	1
Aguilar Free Library Society, <i>New York, N. Y.</i>	1
Alexander Campbell Milk Co., <i>New York, N. Y.</i>	1
Allen Anti-Rust Manufacturing Co., <i>Cincinnati, Ohio</i>	7
Allen, C. Frank, <i>Boston, Mass.</i>	1
Allen, Walter S., <i>New Bedford, Mass.</i>	1
Alling, James C., <i>Chicago, Ill.</i>	1
American Brake Company, <i>St. Louis, Mo.</i>	1
American Brewers' Review Co., <i>Chicago, Ill.</i>	1
American Climatological Association, <i>Philadelphia, Pa.</i>	1
American Electrician Company, <i>New York, N. Y.</i>	1
American Enameled Brick & Tile Co., <i>New York, N. Y.</i>	3
American Fireproofing & Cement Construction Co., <i>New York, N. Y.</i>	1
American Free Trade League, <i>Boston, Mass.</i>	1
American Institute of Mining Engineers, <i>New York, N. Y.</i>	1
American Iron & Steel Association, <i>Philadelphia, Pa.</i>	11
American Library Association, Publishing Section, <i>Boston, Mass.</i>	1
American Locomotive Sander Co., <i>Philadelphia, Pa.</i>	1
American Luxfer Prism Co., <i>Chicago, Ill.</i>	1
American Manufacturer and Iron World, <i>Pittsburgh, Pa.</i>	1
American Mathematical Society, <i>New York, N. Y.</i>	1
American Microscopical Society, <i>Lincoln, Neb.</i>	1
American Museum of Natural History, <i>New York, N. Y.</i>	2
American Pharmaceutical Association, <i>Baltimore, Md.</i>	29
American Protective Tariff League, <i>New York, N. Y.</i>	49
American Society of Civil Engineers, <i>New York, N. Y.</i>	2
American Society of Heating & Ventilating Engineers, <i>New York, N. Y.</i>	1
American Society of Naval Engineers, <i>Washington, D. C.</i>	1
American Statistical Association, <i>Boston, Mass.</i>	1
American Street-Railway Association, <i>Chicago, Ill.</i>	1
American Sunday School Union, <i>Philadelphia, Pa.</i>	1
American Transformer Company, <i>Newark, N. J.</i>	1
American Water Works Association, <i>New York, N. Y.</i>	1
American Well Works, <i>Chicago, Ill.</i>	1
Andover Theological Seminary, <i>Andover, Mass.</i>	1
Andrews, Clement W., <i>Chicago, Ill.</i>	7
Andrews, Joseph, <i>New York, N. Y.</i>	2

## LIST OF DONORS.

31

Volumes or  
Pamphlets.

Arkansas, Secretary of State, <i>Little Rock, Ark.</i>	2
Armour Institute of Technology, <i>Chicago, Ill.</i>	17
Art Metal Construction Co., <i>Jamestown, N. Y.</i>	2
Association of American Medical Colleges, <i>Chicago, Ill.</i>	1
Association of American Railway Accounting Officers, <i>Chicago, Ill.</i>	3
Association of Ontario Land Surveyors, <i>Toronto, Can.</i>	1
Association Parisienne des Propriétaires d'Appareils à Vapeur, <i>Paris, France</i>	1
Athenæum, <i>Chicago, Ill.</i>	1
Atlanta University, <i>Atlanta, Ga.</i>	2
Babcock & Wilcox Co., <i>Chicago, Ill.</i>	3
Baca, Dr. Francisco Martinez, <i>Pueblo, Mexico.</i>	1
Baer, Joseph, & Co., <i>Frankfort-on-the-Main, Germany</i>	1
Bain, Foree, <i>Chicago, Ill.</i>	3
Baker, B. F., Co., <i>Burnt Hills, N. Y.</i>	1
Baldwin, J. Mark, <i>Princeton, N. J.</i>	1
Baltimore Chamber of Commerce, <i>Baltimore, Md.</i>	1
Bangs & Co., <i>New York, N. Y.</i>	1
Bankers Encyclopedia Co., <i>Chicago, Ill.</i>	2
Barge, William D., <i>Chicago, Ill.</i>	7
Barker, G. W., <i>Chicago, Ill.</i>	10
Barker, J. H. & Co., <i>Brooklyn, N. Y.</i>	3
Barnard, Prof. E. E., <i>Williams Bay, Wis.</i>	4
Barnhart Bros. & Spindler, <i>Chicago, Ill.</i>	3
Barr, L. J., <i>Chicago, Ill.</i>	18
Bausch & Lomb Optical Co., <i>Rochester, N. Y.</i>	3
Bay, Dr. J. Christian, <i>Grant, Mich.</i>	31
Beardsley, Robert F., <i>Chicago, Ill.</i>	1
Bemis, Edward W., <i>Cleveland, O.</i>	1
Benedict, Charles A. R., <i>Chicago, Ill.</i>	1
Berkshire Athenæum, <i>Pittsfield, Mass.</i>	1
Berriman, Charles S., <i>New York, N. Y.</i>	1
Bibliographical Society, <i>London, Eng.</i>	1
Bibliographical Society of Chicago, <i>Chicago, Ill.</i>	2
Bibliothèque Publique de Genève, <i>Geneva, Switzerland</i>	2
Biological Society of Washington, <i>Washington, D. C.</i>	1
Birmingham Free Libraries, <i>Birmingham, Eng.</i>	2
Bolton, Dr. H. Carrington, <i>Washington, D. C.</i>	5
Boss, Henry R., <i>Chicago, Ill.</i>	9
Boston, Mass., <i>City of</i>	1
Boston Asylum and Farm School, <i>Boston, Mass.</i>	16
Boston Athenæum, <i>Boston, Mass.</i>	1
Boston Board of Health, <i>Boston, Mass.</i>	7
Boston Book Co., <i>Boston, Mass.</i>	1
Boston Chamber of Commerce, <i>Boston, Mass.</i>	2
Boston Children's Aid Society, <i>Boston, Mass.</i>	1
Boston City Hospital, <i>Boston, Mass.</i>	1
Boston Gear Works, <i>Boston, Mass.</i>	2
Boston Insurance Library Association, <i>Boston, Mass.</i>	1
Boston Museum of Fine Arts, <i>Boston, Mass.</i>	1

## LIST OF DONORS.

	Volumes or Pamphlets.
Boston Public Library, <i>Boston, Mass.</i>	23
Boston Society of Natural History, <i>Boston, Mass.</i>	1
Boston Statistics Department, <i>Boston, Mass.</i>	9
Boston Transit Commission, <i>Boston, Mass.</i>	1
Boutell, <i>Hon. Henry Sherman, Washington, D. C.</i>	1
Bowdoin College Library, <i>Brunswick, Me.</i>	7
Breuel, Arthur H., <i>Milwaukee, Wis.</i>	1
Brewster, Edward L., & Co., <i>Chicago, Ill.</i>	1
British Columbia, Minister of Mines, <i>Victoria, Can.</i>	5
Brockton Public Library, <i>Brockton, Mass.</i>	1
Brooklyn Institute of Arts and Sciences, <i>Brooklyn, N. Y.</i>	9
Brooklyn Public Library, <i>Brooklyn, N. Y.</i>	2
Brotherhood of Locomotive Engineers, <i>Cleveland, Ohio</i>	1
Brown & Sharp Manufacturing Co., <i>Providence, R. I.</i>	3
Brown Brothers, <i>New York, N. Y.</i>	2
Brown, Charles W., <i>Chicago, Ill.</i>	1
Brown, Oliver S., <i>Chicago, Ill.</i>	6
Brown University, <i>Providence, R. I.</i>	1
Buffalo, N. Y., <i>City of</i>	1
Buffalo, Comptroller, <i>Buffalo, N. Y.</i>	1
Buffalo, Department of Health, <i>Buffalo, N. Y.</i>	1
Buffalo Public Library, <i>Buffalo, N. Y.</i>	1
Builders Iron Foundry, <i>Providence, R. I.</i>	6
Bureau of American Republics, <i>Washington, D. C.</i>	5
Burlington Free Public Library, <i>Burlington, Ia.</i>	1
Bussey Institution, <i>Jamaica Plain, Mass.</i>	1
Butterworth, Theodore A., <i>Chicago, Ill.</i>	1
Cahn, Wampold & Co., <i>Chicago, Ill.</i>	3
Calhoun, Douglas, <i>Chicago, Ill.</i>	2
California Academy of Sciences, <i>San Francisco, Cal.</i>	14
California, Bureau of Labor Statistics, <i>Sacramento, Cal.</i>	1
California, State Library, <i>Sacramento, Cal.</i>	*50
Call, Prof. R. Ellsworth, <i>Brooklyn, N. Y.</i>	10
Cambria Steel Co., <i>Johnstown, Pa.</i>	1
Cambridge, Mass., <i>City of</i>	7
Cambridge Hospital, <i>Cambridge, Mass.</i>	1
Cambridge, Park Commissioners, <i>Cambridge, Mass.</i>	8
Cambridge Public Library, <i>Cambridge, Mass.</i>	2
Canada, Commissioner of Patents, <i>Ottawa, Can.</i>	1
Canada, Department of Agriculture, <i>Ottawa, Can.</i>	10
Canada, Department of Labour, <i>Ottawa, Can.</i>	1
Canada, Geological Survey, <i>Ottawa, Can.</i>	3
Canadian Society of Civil Engineers, <i>Montreal, Can.</i>	5
Carnegie Free Library, <i>Allegheny, Pa.</i>	1
Carnegie Institute, <i>Pittsburg, Pa.</i>	1
Carnegie Library, <i>Atlanta, Ga.</i>	1
Carnegie Library, <i>Pittsburg, Pa.</i>	4
Carnegie Steel Co., <i>Pittsburg, Pa.</i>	1

\* Estimated.

## LIST OF DONORS.

33

	Volumes or Pamphlets.
Carver, George W., <i>Tuskegee, Ala.</i> -----	4
Cedar Rapids Free Public Library, <i>Cedar Rapids, Ia.</i> -----	1
Challenge Machinery Co., <i>Chicago, Ill.</i> -----	1
Chambre Syndicale des Carrossiers, <i>Paris, France</i> -----	1
Chicago, Ill., <i>City of</i> -----	1
Chicago Academy of Sciences, <i>Chicago, Ill.</i> -----	2
Chicago and North-Western Railway Co., <i>Chicago, Ill.</i> -----	2
Chicago Architectural Club, <i>Chicago, Ill.</i> -----	1
Chicago Association of Collegiate Alumnae, <i>Chicago, Ill.</i> -----	1
Chicago Banker Co., <i>Chicago, Ill.</i> -----	3
Chicago, Board of Education, <i>Chicago, Ill.</i> -----	5
Chicago, Board of Trade, <i>Chicago, Ill.</i> -----	1
Chicago Bureau of Charities, <i>Chicago, Ill.</i> -----	1
Chicago Bureau of Geography, <i>Chicago, Ill.</i> -----	1
Chicago, City Council, <i>Chicago, Ill.</i> -----	3
Chicago Commercial Club, <i>Chicago, Ill.</i> -----	1
Chicago Commons, <i>Chicago, Ill.</i> -----	1
Chicago, Comptroller, <i>Chicago, Ill.</i> -----	3
Chicago, Department of Health, <i>Chicago, Ill.</i> -----	1
Chicago, Department of Public Works, <i>Chicago, Ill.</i> -----	3
Chicago, Department of Track Elevation, <i>Chicago, Ill.</i> -----	1
Chicago Law Institute, <i>Chicago, Ill.</i> -----	1
Chicago Library Club, <i>Chicago, Ill.</i> -----	1
Chicago Literary Club, <i>Chicago, Ill.</i> -----	2
Chicago Manual Training School, <i>Chicago, Ill.</i> -----	150
Chicago Millwork & Moulding Co., <i>Chicago, Ill.</i> -----	1
Chicago, Municipal Library and Bureau of Statistics, <i>Chicago, Ill.</i> -----	3
Chicago Post Office, <i>Chicago, Ill.</i> -----	3
Chicago Public Library, <i>Chicago, Ill.</i> -----	5
Chicago Real Estate Board, <i>Chicago, Ill.</i> -----	2
Chicago Relief and Aid Society, <i>Chicago, Ill.</i> -----	1
Chicago, Rock Island and Pacific Railway, <i>Chicago, Ill.</i> -----	9
Chicago, Special Park Commission, <i>Chicago, Ill.</i> -----	1
Chicago, Street Railway Commission, <i>Chicago, Ill.</i> -----	1
Chicago Weather Bureau, <i>Chicago, Ill.</i> -----	1
Chicago Women's Club, <i>Chicago, Ill.</i> -----	6
Chinese-American Ginseng Co., <i>Joplin, Mo.</i> -----	1
Cincinnati, Commissioners of Water Works, <i>Cincinnati, O.</i> -----	1
Cincinnati Society of Natural History, <i>Cincinnati, O.</i> -----	1
Citizens' Association of Chicago, <i>Chicago, Ill.</i> -----	6
City Homes Association of Chicago, <i>Chicago, Ill.</i> -----	2
Civic Club of Philadelphia, <i>Philadelphia, Pa.</i> -----	1
Civil Service Reform Association, <i>New York, N. Y.</i> -----	4
Claparède, Alexandre, <i>Geneva, Switzerland</i> -----	1
Clark University, <i>Worcester, Mass.</i> -----	2
Clayton, H. Helm, <i>Hyde Park, Mass.</i> -----	1
Cleveland Public Library Board, <i>Cleveland, O.</i> -----	1
Clevenger, Dr. S. V., <i>Chicago, Ill.</i> -----	5
Cobden Club, <i>London, Eng.</i> -----	6
Colorado College, <i>Colorado Springs, Col.</i> -----	1

## LIST OF DONORS.

	Volumes or Pamphlets.
Colorado, State Agricultural College, <i>Fort Collins, Col.</i> .....	5
Colorado, State Board of Horticulture, <i>Denver, Col.</i> .....	6
Colorado, State Engineer, <i>Denver, Col.</i> .....	1
Colorado, Superintendent of Public Instruction, <i>Denver, Col.</i> .....	1
Columbia University, <i>New York, N. Y.</i> .....	29
Columbia University Observatory, <i>New York, N. Y.</i> .....	1
Concord Public Library, <i>Concord, N. H.</i> .....	1
Connecticut Agricultural Experiment Station, <i>New Haven, Conn.</i> .....	3
Connecticut, Bureau of Labor Statistics, <i>Hartford, Conn.</i> .....	1
Connecticut Civil Engineers and Surveyors Association, <i>New London, Conn.</i> .....	1
Connecticut, State Board of Health, <i>New Haven, Conn.</i> .....	1
Cooper, Theodore, <i>New York, N. Y.</i> .....	2
Cornell University Agricultural Experiment Station, <i>Ithaca, N. Y.</i> .....	10
Council Bluffs Free Public Library, <i>Council Bluffs, Ia.</i> .....	1
Cowles, Henry C., <i>Chicago, Ill.</i> .....	2
Crandall, Bruce V., <i>Chicago, Ill.</i> .....	1
Craz & Gerlach'sche Buchhandlung, <i>Freiburg, Saxony</i> .....	1
Crunden, Frederick M., <i>St. Louis, Mo.</i> .....	1
Currey, J. Seymour, <i>Chicago, Ill.</i> .....	1
Daniels, George H., <i>New York, N. Y.</i> .....	1
Dartmouth College, <i>Hanover, N. H.</i> .....	2
Davies, John F., <i>Missoula, Mont.</i> .....	2
Dayton Public Library and Museum, <i>Dayton, O.</i> .....	1
Defiance Machine Works, <i>Defiance, O.</i> .....	1
De Laval Separator Co., <i>New York, N. Y.</i> .....	6
Detroit, Mich., <i>City of</i> .....	1
Detroit College of Medicine, <i>Detroit, Mich.</i> .....	1
Detroit Public Library, <i>Detroit, Mich.</i> .....	1
Detroit, Public Lighting Commission, <i>Detroit, Mich.</i> .....	1
Dewey, Melvil, <i>Albany, N. Y.</i> .....	1
Deyrolle, Émile, Fils, <i>Paris, France</i> .....	2
District of Columbia, Public Library, <i>Washington, D. C.</i> .....	1
Douai, Bibliothèque Publique, <i>Douai, France</i> .....	4
Doud, Frank N., <i>Chicago, Ill.</i> .....	1
Draper Company, <i>Hopedale, Mass.</i> .....	1
Drexel Institute of Art, Science, and Industry, <i>Philadelphia, Pa.</i> .....	2
Dry Goods Reporter Company, <i>Chicago, Ill.</i> .....	1
Duncker, Alexander, <i>New York, N. Y.</i> .....	1
Durkee, E. R. & Co., <i>New York, N. Y.</i> .....	2
Eastman Kodak Co., <i>Rochester, N. Y.</i> .....	6
Eau Claire Public Library, <i>Eau Claire, Wis.</i> .....	2
Ebert, Albert E., <i>Chicago, Ill.</i> .....	1
Electric Appliance Co., <i>Chicago, Ill.</i> .....	2
Electricity Newspaper Co., <i>New York, N. Y.</i> .....	1
Eliassof, Herman, <i>Chicago, Ill.</i> .....	1
Elisha Mitchell Scientific Society, <i>Chapel Hill, N. C.</i> .....	1
Enoch Pratt Free Library, <i>Baltimore, Md.</i> .....	3
Entomological Society of Ontario, <i>London, Can.</i> .....	1
Erie Public Library, <i>Erie, Pa.</i> .....	1

## LIST OF DONORS.

	35	Volumes or Pamphlets.
Eustis, W. Tracy, <i>Brookline, Mass.</i> -----	19	
Evans, Frank, <i>Kansas City, Mo.</i> -----	2	
Evanston Public Library, <i>Evanston, Ill.</i> -----	1	
Fairmount Park Art Association, <i>Philadelphia, Pa.</i> -----	1	
Field Columbian Museum, <i>Chicago, Ill.</i> -----	10	
Fielde, Adele M., <i>New York, N. Y.</i> -----	1	
Fisher Book-Typewriter Co., <i>Chicago, Ill.</i> -----	3	
Fisk Free and Public Library, <i>New Orleans, La.</i> -----	6	
Fletcher Free Library, <i>Burlington, Vt.</i> -----	1	
Folkmar, Daniel, <i>Brussels, Belgium</i> -----	1	
Forbes Library, <i>Northampton, Mass.</i> -----	1	
Forstall, Gertrude, <i>Chicago, Ill.</i> -----	1	
Fort Wayne Electric Works, <i>Fort Wayne, Ind.</i> -----	9	
Foster, Hon. George P., <i>Washington, D. C.</i> -----	5	
France, Ministère du Commerce de l'Industrie, des Postes et des Telegraphes, <i>Paris, France</i> -----	2	
Franco-American Food Co., <i>Jersey City Heights, N. J.</i> -----	1	
Frank, Mortimer, <i>Chicago, Ill.</i> -----	1	
Franklin and Marshall College, <i>Lancaster, Pa.</i> -----	17	
Freiherrlich Carl von Rothschild'sche Oeffentliche Bibliothek, <i>Frankfort-on-the-Main, Germany</i> -----	1	
Frost, E. Allen, <i>Chicago, Ill.</i> -----	1	
Galloway, James B., <i>Chicago, Ill.</i> -----	1	
Gauthier-Villars et Fils, <i>Paris, France</i> -----	2	
Gautier, J. H. and Company, <i>Jersey City, N. J.</i> -----	1	
General Electric Company, <i>Schenectady, N. Y.</i> -----	64	
General Society of Mechanics and Tradesmen of New York, <i>New York, N. Y.</i> -----	1	
Georgetown University, <i>Washington, D. C.</i> -----	5	
Gibbes, Maria H., <i>Charleston, S. C.</i> -----	1	
Gloucester Public Library, <i>Gloucester, Eng.</i> -----	2	
Gookin, Frederick W., <i>Chicago, Ill.</i> -----	383	
Göteborgs Stadsbibliotek, <i>Gothenburg, Sweden</i> -----	9	
Goulds Manufacturing Co., <i>Seneca Falls, N. Y.</i> -----	1	
Graham, Andrew J. & Co., <i>New York, N. Y.</i> -----	1	
Grand Commandery, Knights Templar, <i>Topeka, Kan.</i> -----	1	
Gray, Mrs. Maggie M., <i>Chicago, Ill.</i> -----	21	
Grosvenor Library, <i>Buffalo, N. Y.</i> -----	1	
Groton Public Library, <i>Groton, Mass.</i> -----	1	
Harding, Herbert L., <i>Boston, Mass.</i> -----	1	
Hart, Hastings H., <i>Chicago, Ill.</i> -----	9	
Hart, Horace, <i>Oxford, Eng.</i> -----	1	
Hartford Public Library, <i>Hartford, Conn.</i> -----	1	
Hartford Theological Seminary, <i>Hartford, Conn.</i> -----	1	
Harvard University, <i>Cambridge, Mass.</i> -----	5	
Harvard University, Astronomical Observatory, <i>Cambridge, Mass.</i> -----	3	
Haverhill Public Library, <i>Haverhill, Mass.</i> -----	1	
Hawley, Mary E., <i>Chicago, Ill.</i> -----	18	
Hazlitt, George K. & Co., <i>Chicago, Ill.</i> -----	1	
Heeman, Edward G., <i>Chicago, Ill.</i> -----	4	

## LIST OF DONORS.

	Volumes or Pamphlets.
Heine Safety Boiler Co., <i>St. Louis, Mo.</i> -----	1
Helena Public Library, <i>Helena, Mont.</i> -----	1
Hess, Henry E., <i>Boston, Mass.</i> -----	1
Hewitt, Dr. James O. M., <i>Chicago, Ill.</i> -----	1
Hibbard, Spencer, Bartlett & Co., <i>Chicago, Ill.</i> -----	2
Hill, Clarke & Co., <i>Chicago, Ill.</i> -----	1
Hill, Mrs. William, <i>Chicago, Ill.</i> -----	2
Hinsdale, Guy, <i>Philadelphia, Pa.</i> -----	6
Historical and Scientific Society of Manitoba, <i>Winnipeg, Can.</i> -----	4
Holden, Charles C. P., <i>Chicago, Ill.</i> -----	1
Holland Society of Chicago, <i>Chicago, Ill.</i> -----	2
Home Savings Bank Co., <i>Chicago, Ill.</i> -----	1
Hooker, George E., <i>Chicago, Ill.</i> -----	*250
Hopkins, Anderson H., <i>Evanston, Ill.</i> -----	4
Hosmer, James K., <i>Minneapolis, Minn.</i> -----	1
Huber, Henry, Co., <i>New York, N. Y.</i> -----	1
Hughitt, Marvin, <i>Chicago, Ill.</i> -----	2
Hyde Park Protective Association, <i>Chicago, Ill.</i> -----	6
Hyde, William H., and McManman, John A., <i>Milwaukee, Wis.</i> -----	1
Illinois, <i>State of</i> -----	10
Illinois Association of the Deaf, <i>Chicago, Ill.</i> -----	1
Illinois, Board of Public Charities, <i>Springfield, Ill.</i> -----	1
Illinois, Bureau of Labor Statistics, <i>Springfield, Ill.</i> -----	1
Illinois, Canal Commissioners, <i>Lockport, Ill.</i> -----	1
Illinois Central Railroad, <i>Chicago, Ill.</i> -----	1
Illinois Humane Society, <i>Chicago, Ill.</i> -----	1
Illinois Society of Engineers and Surveyors, <i>Champaign, Ill.</i> -----	1
Illinois Society of Sons of the Revolution, <i>Chicago, Ill.</i> -----	1
Illinois, State Board of Health, <i>Springfield, Ill.</i> -----	1
Illinois, State Historical Library, <i>Springfield, Ill.</i> -----	2
Illinois, State Laboratory of Natural History, <i>Urbana, Ill.</i> -----	2
Illinois, State Penitentiary, <i>Joliet, Ill.</i> -----	1
Illinois, State Reformatory, <i>Pontiac, Ill.</i> -----	1
Illinois Steel Co., <i>Chicago, Ill.</i> -----	88
Illinois Young Men's Christian Association, <i>Chicago, Ill.</i> -----	1
Imperial Library, <i>Tokio, Japan</i> -----	3
Indiana, Board of State Charities, <i>Indianapolis, Ind.</i> -----	2
Indiana, Department of Inspection, <i>Indianapolis, Ind.</i> -----	1
Indiana, Public Library Commission, <i>Indianapolis, Ind.</i> -----	1
Indiana, State Board of Health, <i>Indianapolis, Ind.</i> -----	1
Indiana, State Library, <i>Indianapolis, Ind.</i> -----	26
Inland Type Foundry, <i>Chicago, Ill.</i> -----	1
Institut International de Bibliographie, <i>Brussels, Belgium</i> -----	1
Institution of Civil Engineers, <i>London, Eng.</i> -----	9
International Correspondence Schools, <i>Scranton, Pa.</i> -----	1
International Sprinkler Co., <i>Philadelphia, Pa.</i> -----	1
International Textbook Co., <i>Scranton, Pa.</i> -----	1
Iowa Academy of Science, <i>Des Moines, Ia.</i> -----	1

\* Es'ima'ed.

## LIST OF DONORS.

37

Volumes or  
Pamphlets.

Iowa Masonic Library, <i>Cedar Rapids, Ia.</i>	1
Iowa, Railroad Commission, <i>Des Moines, Ia.</i>	1
Iowa, State Board of Health, <i>Des Moines, Ia.</i>	24
Iowa, State Library, <i>Des Moines, Ia.</i>	52
Iowa, State Library Commission, <i>Des Moines, Ia.</i>	4
Iowa, State Mine Inspector, <i>Des Moines, Ia.</i>	1
Iowa, State Normal School, <i>Cedar Falls, Ia.</i>	4
Ithaca Public Schools, <i>Ithaca, N. Y.</i>	1
James Blackstone Memorial Library, <i>Branford, Conn.</i>	1
Jersey City Free Public Library, <i>Jersey City, N. J.</i>	2
John F. Slater Fund Trustees, <i>Washington, D. C.</i>	1
Johns Hopkins University, <i>Baltimore, Md.</i>	2
Josephson, Aksel G. S., <i>Chicago, Ill.</i>	136
Kaehler, Max, & Martini, <i>Berlin, Germany</i>	2
Kaiserliche Leopoldinisch-Carolinische Deutsche Akademie der Naturforscher, <i>Halle, Germany</i>	7
Kansas City Public Library, <i>Kansas City, Mo.</i>	2
Kansas, State Agricultural College, Experiment Station, <i>Manhat- tan, Kan.</i>	27
Kansas, State Board of Health, <i>Topeka, Kan.</i>	12
Kansas, Traveling Libraries Commission, <i>Topeka, Kan.</i>	1
Kansas University, <i>Lawrence, Kan.</i>	1
Keuffel & Esser Co., <i>New York, N. Y.</i>	1
King, P. S., & Son, <i>London, Eng.</i>	14
Kinsley, William J., <i>New York, N. Y.</i>	2
Kirchoffer, W. G., <i>Baraboo, Wis.</i>	1
Knox, Charles B., <i>Johnstown, N. Y.</i>	1
Koechl, Victor & Co., <i>New York, N. Y.</i>	1
Kongliga Universitets-Biblioteket i Upsala, <i>Upsala, Sweden</i>	3
Königliche Sternwarte in Kiel, <i>Kiel, Germany</i>	1
Königliche Universitäts-Bibliothek, <i>Kiel, Germany</i>	1
Königliche Universitäts-Bibliothek, <i>Marburg, Germany</i>	2
Koninklijke Akademie van Wetenschappen te Amsterdam, <i>Am- sterdam, Holland</i>	3
Konsberg, Edgar T., <i>Chicago, Ill.</i>	2
Laclede Fire Brick Manufacturing Co., <i>St. Louis, Mo.</i>	1
Lake Forest University, <i>Lake Forest, Ill.</i>	1
Lambert Typewriter Company, <i>New York, N. Y.</i>	2
Lands Plantentuin, <i>Buitenzorg, Java</i>	36
Lane, Lucius P., <i>Boston, Mass.</i>	1
Lawrence Free Public Library, <i>Lawrence, Mass.</i>	1
Lazenby, Prof. William R., <i>Columbus, O.</i>	2
League of American Wheelmen, <i>Boston, Mass.</i>	4
Lee, J. Ellwood Co., <i>Conshohocken, Pa.</i>	2
Leeds Free Public Libraries, <i>Leeds, Eng.</i>	1
Lehigh University, <i>South Bethlehem, Pa.</i>	1
Leipzig Universitäts-Bibliothek, <i>Leipzig, Germany</i>	1
Leland Stanford Junior University, <i>Palo Alto, Cal.</i>	7
Lemcke & Buechner, <i>New York, N. Y.</i>	19
Lewis Institute, <i>Chicago, Ill.</i>	1

## LIST OF DONORS.

	Volumes or Pamphlets.
Library Association of Portland, <i>Portland, Ore.</i> -----	5
Library Bureau, <i>Chicago, Ill.</i> -----	2
Library Company of Philadelphia, <i>Philadelphia, Pa.</i> -----	2
Lincoln, <i>Hon. Robert T., Chicago, Ill.</i> -----	1
Lloyd Brothers, <i>Cincinnati, O.</i> -----	6
Loewenthal Berthold, <i>Chicago, Ill.</i> -----	2
Longmans, Green & Co., <i>New York, N. Y.</i> -----	1
Los Angeles, Chamber of Commerce, <i>Los Angeles, Cal.</i> -----	1
Los Angeles Public Library, <i>Los Angeles, Cal.</i> -----	14
Louderback, William J., <i>Chicago, Ill.</i> -----	1
Louisiana, State Board of Health, <i>Baton Rouge, La.</i> -----	7
Lowell City Library, <i>Lowell, Mass.</i> -----	1
Lynn Public Library, <i>Lynn, Mass.</i> -----	1
Lyon & Healy, <i>Chicago, Ill.</i> -----	4
McCarthy, Gerald, <i>Raleigh, N. C.</i> -----	5
McClure, Phillips & Co., <i>New York, N. Y.</i> -----	1
McCurdy, Richard A., <i>New York, N. Y.</i> -----	1
McFarland, Henry, <i>Concord, N. H.</i> -----	1
Macfarlane, Dr. Alexander, <i>Chatham, Can.</i> -----	1
McGill University Library, <i>Montreal, Can.</i> -----	15
Macmillan Co., <i>New York, N. Y.</i> -----	1
McPike, Eugene F., <i>Chicago, Ill.</i> -----	1
Madison Board of Water Commissioners, <i>Madison, Wis.</i> -----	1
Mahady, Charles A., <i>Cambridge, Mass.</i> -----	1
Maine, Bureau of Industrial and Labor Statistics, <i>Augusta, Me.</i> -----	1
Majestic Manufacturing Co., <i>St. Louis, Mo.</i> -----	1
Manchester Free Reference Library, <i>Manchester, Eng.</i> -----	1
Mann, <i>Hon. James R., Washington, D. C.</i> -----	1
Manning, Maxwell & Moore, <i>New York, N. Y.</i> -----	1
Marks, A. A., <i>New York, N. Y.</i> -----	1
Marsh, Charles H., <i>Park Ridge, Ill.</i> -----	4
Marvin Electric Drill Co., <i>Canastota, N. Y.</i> -----	1
Maryland, Geological Survey, <i>Baltimore, Md.</i> -----	3
Maryland, State Board of Health, <i>Baltimore, Md.</i> -----	10
Maryland, State Library, <i>Annapolis, Md.</i> -----	3
Mason Regulator Co., <i>Boston, Mass.</i> -----	2
Massachusetts Agricultural College, Hatch Experiment Station, <i>Amherst, Mass.</i> -----	10
Massachusetts, Board of Commissioners of Savings Banks, <i>Boston, Mass.</i> -----	2
Massachusetts, Board of Gas and Electric Light Commissioners, <i>Boston, Mass.</i> -----	1
Massachusetts, Bureau of Statistics of Labor, <i>Boston, Mass.</i> -----	1
Massachusetts General Hospital, <i>Boston, Mass.</i> -----	1
Massachusetts, Harbor and Land Commissioners, <i>Boston, Mass.</i> -----	25
Massachusetts Horticultural Society, <i>Boston, Mass.</i> -----	3
Massachusetts Institute of Technology, <i>Boston, Mass.</i> -----	5
Massachusetts, State Board of Agriculture, <i>Boston, Mass.</i> -----	2
Massachusetts, State Board of Health, <i>Boston, Mass.</i> -----	4
Mayor, Prof. John E. B., <i>Cambridge, Eng.</i> -----	1

## LIST OF DONORS.

39

Volumes or  
Pamphlets.

Mechanics' Institute, <i>New York, N. Y.</i> -----	1
Melbourne Public Library, <i>Melbourne, Australia</i> -----	2
Mercantile Library Company of Philadelphia, <i>Philadelphia, Pa.</i> -----	19
Mercantile Library of New York, <i>New York, N. Y.</i> -----	2
Merchant & Co., <i>Chicago, Ill.</i> -----	3
Merchants' Loan and Trust Co., <i>Chicago, Ill.</i> -----	1
Merck & Co., <i>Chicago, Ill.</i> -----	1
Mergenthaler Linotype Co., <i>New York, N. Y.</i> -----	27
Merriman, Dr. Henry P., <i>Chicago, Ill.</i> -----	22
Metropolitan Water Board, <i>Boston, Mass.</i> -----	1
Mexico, Secretaría de Fomento, Colonización é Industria, <i>City of Mexico, Mexico</i> -----	1
Meyer, Dr. Adolph B., <i>Dresden, Germany</i> -----	1
Meyer Brothers' Druggist, <i>St. Louis, Mo.</i> -----	7
Michigan, Bureau of Labor and Industrial Statistics, <i>Lansing, Mich.</i> -----	1
Michigan College of Mines, <i>Houghton, Mich.</i> -----	8
Michigan, Department of State, <i>Lansing, Mich.</i> -----	3
Michigan, Geological Survey, <i>Lansing, Mich.</i> -----	3
Michigan, State Board of Health, <i>Lansing, Mich.</i> -----	7
Michigan, State Library, <i>Lansing, Mich.</i> -----	3
Middlesex School, <i>Concord, Mass.</i> -----	1
Millis, Harry A., <i>Chicago, Ill.</i> -----	19
Milwaukee Public Library, <i>Milwaukee, Wis.</i> -----	2
Minneapolis, Board of Park Commissioners, <i>Minneapolis, Minn.</i> -----	1
Minneapolis Public Library, <i>Minneapolis, Minn.</i> -----	7
Minnesota, Geological and Natural History Survey, <i>Minneapolis, Minn.</i> -----	2
Missouri Botanical Garden, <i>St. Louis, Mo.</i> -----	1
Montana Bureau of Agriculture, Labor, and Industry, <i>Helena, Mont.</i> -----	1
Morrell, Charles, <i>Chicago, Ill.</i> -----	1
Morse, Charles J., <i>Evanston, Ill.</i> -----	1
Muller, Frederik & Co., <i>Amsterdam, Holland</i> -----	3
Municipal Voters' League, <i>Chicago, Ill.</i> -----	3
Munroe, Henry F., <i>Chicago, Ill.</i> -----	16
Myers, Prof. George W., <i>Urbana, Ill.</i> -----	2
Narragansett Machine Co., <i>Providence, R. I.</i> -----	5
Nash, Walter D., <i>Chicago, Ill.</i> -----	1
National Association of Manufacturers of the United States of America, <i>Philadelphia, Pa.</i> -----	4
National Conference of Charities and Corrections-----	1
National Educational Association-----	3
National League for the Protection of the Family, <i>Auburndale, Mass.</i> -----	11
Nebraska Engineering Society, <i>Lincoln, Neb.</i> -----	1
Nevada State Weather Service, <i>Carson City, Nev.</i> -----	3
New Bedford Free Public Library, <i>New Bedford, Mass.</i> -----	4
New England Cotton Manufacturers Association, <i>Boston, Mass.</i> -----	2
New England Free Trade League, <i>Boston, Mass.</i> -----	1
New Hampshire, College of Agriculture and Mechanic Arts, <i>Durham, N. H.</i> -----	99
New Hampshire, State Library, <i>Concord, N. H.</i> -----	6

## LIST OF DONORS.

	Volumes or Pamphlets.
New Jersey, State Board of Assessors, <i>Trenton, N. J.</i> .....	1
New Jersey, State Board of Health, <i>Trenton, N. J.</i> .....	2
New Jersey, State Library, <i>Trenton, N. J.</i> .....	4
New York, N. Y., <i>City of</i> .....	1
New York, Board of Fire Underwriters, Committee on Fire Patrol, <i>New York, N. Y.</i> .....	1
New York Central and Hudson River Railroad, <i>New York, N. Y.</i> .....	39
New York, Department of Education, <i>New York, N. Y.</i> .....	1
New York Free Circulating Library, <i>New York, N. Y.</i> .....	1
New York Juvenile Asylum, <i>New York, N. Y.</i> .....	3
New York Kindergarten Association, <i>New York, N. Y.</i> .....	1
New York Merchants' Association, <i>New York, N. Y.</i> .....	1
New York, New Haven, and Hartford Railroad Co., <i>New Haven, Conn.</i> .....	1
New York Public Library, Astor, Lenox, and Tilden Foundations, <i>New York, N. Y.</i> .....	4
New York, State Library, <i>Albany, N. Y.</i> .....	*280
New York, State Museum, <i>Albany, N. Y.</i> .....	1
New York Tenement House Commission, <i>New York, N. Y.</i> .....	4
New York University, <i>New York, N. Y.</i> .....	1
Newark Free Public Library, <i>Newark, N. J.</i> .....	1
Newberry Library, <i>Chicago, Ill.</i> .....	1
Newcomb, H. T., <i>Philadelphia, Pa.</i> .....	1
Nimmo, Joseph, Jr., <i>Washington, D. C.</i> .....	2
Norfolk and Western Railway Co., <i>New York, N. Y.</i> .....	2
North Adams Public Library, <i>North Adams, Mass.</i> .....	1
North Carolina, Agricultural Experiment Station, <i>Raleigh, N. C.</i> .....	1
North Dakota, Commissioner of Agriculture and Labor, <i>Bis- marck, N. D.</i> .....	1
Northern Steamship Co., <i>St. Paul, Minn.</i> .....	1
Northwest Railway Club, <i>St. Paul, Minn.</i> .....	1
Northwestern University, <i>Evanston, Ill.</i> .....	3
Oberlin College, <i>Oberlin, O.</i> .....	11
Observatoire Météorologique de l'Université Royale, <i>Upsala, Sweden</i> .....	1
Observatorio Astronomico Nacional de Tacubaya, <i>Tacubaya, Mexico</i> .....	32
Ohio, State Board of Health, <i>Columbus, O.</i> .....	14
Ohio, State Library, <i>Columbus, O.</i> .....	5
Ohio State University, <i>Columbus, O.</i> .....	19
Ohio Weather Bureau, <i>Columbus, O.</i> .....	1
Omaha Public Library, <i>Omaha, Neb.</i> .....	3
Ontario, Bureau of Mines, <i>Toronto, Can.</i> .....	3
Ontario, Department of Agriculture, <i>Toronto, Can.</i> .....	19
Ontario, Department of Education, <i>Toronto, Can.</i> .....	1
Ontario, Department of Insurance, <i>Toronto, Can.</i> .....	2
Page-Davis Advertising School, <i>Chicago, Ill.</i> .....	1
Pan-American Exposition, <i>Buffalo, N. Y.</i> .....	1
Parke, Davis & Co., <i>Detroit, Mich.</i> .....	1
Parlin Library, <i>Canton, Ill.</i> .....	1

\* Estimated.

LIST OF DONORS.

	41
	Volumes or Pamphlets.
Parsons, Eugene, <i>Chicago, Ill.</i> -----	4
Patent Law Association of Chicago, <i>Chicago, Ill.</i> -----	1
Paterson Free Public Library, <i>Paterson, N. J.</i> -----	2
Patterson, Harry N., <i>Quawka, Ill.</i> -----	1
Patuca Plantation Co., <i>Philadelphia, Pa.</i> -----	1
Peabody Institute, <i>Baltimore, Md.</i> -----	1
Peace Association of Friends, <i>Philadelphia, Pa.</i> -----	1
Pennsylvania, State Board of Health, <i>Harrisburg, Pa.</i> -----	2
Philadelphia, Pa., <i>City of</i> -----	5
Philadelphia Commercial Museum, <i>Philadelphia, Pa.</i> -----	1
Philadelphia Free Library, <i>Philadelphia, Pa.</i> -----	2
Philippine Information Society, <i>Boston, Mass.</i> -----	19
Philosophical Society of Washington, <i>Washington, D. C.</i> -----	2
Pichereau, Asakel P., <i>Galesburg, Ill.</i> -----	1
Platt, Burton C., <i>Philadelphia, Pa.</i> -----	2
Plymouth Cordage Co., <i>Plymouth, Mass.</i> -----	1
Portland Society of Natural History, <i>Portland, Me.</i> -----	1
Pratt Food Company, <i>Philadelphia, Pa.</i> -----	6
Pratt Institute Free Library, <i>Brooklyn, N. Y.</i> -----	1
Pressed Steel Car Co., <i>Pittsburg, Pa.</i> -----	1
Princeton University, <i>Princeton, N. J.</i> -----	5
Providence Athenæum, <i>Providence, R. I.</i> -----	1
Providence Public Library, <i>Providence, R. I.</i> -----	2
Prudential Insurance Company of America, <i>Newark, N. J.</i> -----	1
Public Rumiantzoff Museum, <i>Moscow, Russia</i> -----	2
Public School Library, <i>Columbus, O.</i> -----	1
Pusey, Dr. William A., <i>Chicago, Ill.</i> -----	1
Quaritch, Bernard, <i>London, Eng.</i> -----	7
Rae, Robert, <i>Chicago, Ill.</i> -----	1
Ranck, D. H., Co., <i>Chicago, Ill.</i> -----	*250
Randolph, Carman F., <i>New York, N. Y.</i> -----	1
Rayon, M., <i>Chicago, Ill.</i> -----	1
Reade, Lieut.-Col. Philip, <i>Washington, D. C.</i> -----	1
Redwood Library, <i>Newport, R. I.</i> -----	1
Reform Club, <i>New York, N. Y.</i> -----	1
Reliable Incubator and Brooder Co., <i>Quincy, Ill.</i> -----	6
Reynolds, Dr. Arthur R., <i>Chicago, Ill.</i> -----	4
Richards, Mrs. Ellen H., <i>Boston, Mass.</i> -----	1
Ripon College, <i>Ripon, Wis.</i> -----	2
Robinson, George, <i>Fort Leavenworth, Kan.</i> -----	1
Rochester Academy of Science, <i>Rochester, N. Y.</i> -----	1
Roebling's, John A., Sons Co., <i>Trenton, N. J.</i> -----	9
Rollins, Charles E., <i>Chicago, Ill.</i> -----	*750
Rosenthal, Jacques, <i>Munich, Bavaria</i> -----	1
Royal Academy of Science, <i>Amsterdam, Holland</i> -----	6
Royal Society of Canada, <i>Ottawa, Can.</i> -----	1
Royal Society of New South Wales, <i>Sydney, Australia</i> -----	1
Rust, Gustav H., <i>Chicago, Ill.</i> -----	1
St. Louis Mercantile Library Association, <i>St. Louis, Mo.</i> -----	1

\* Estimated.

## LIST OF DONORS.

	Volumes or Pamphlets.
St. Louis Public Library, <i>St. Louis, Mo.</i> -----	1
Salem Public Library, <i>Salem, Mass.</i> -----	3
San Francisco Free Public Library, <i>San Francisco, Cal.</i> -----	1
San Francisco Mechanics' Institute, <i>San Francisco, Cal.</i> -----	1
San Pedro Rubber Plantation Co., <i>Milwaukee, Wis.</i> -----	9
Santa Fé Route, Passenger Department, <i>Chicago, Ill.</i> -----	7
Schenck, Carl A., <i>Biltmore, N. C.</i> -----	6
Schutte, L. & Co., <i>Philadelphia, Pa.</i> -----	6
Scientific Alliance of New York, <i>New York, N. Y.</i> -----	1
Scott, W., <i>Cambridge, Mass.</i> -----	1
Scott, Walter, & Co., <i>Plainfield, N. J.</i> -----	7
Seligman, Prof. Edwin R. A., <i>New York, N. Y.</i> -----	2
Serrell, Lemuel W., <i>New York, N. Y.</i> -----	1
Seward, George F., <i>New York, N. Y.</i> -----	3
Shaiffer, Harry D., <i>Philadelphia, Pa.</i> -----	1
Shepard, Henry O., Co., <i>Chicago, Ill.</i> -----	1
Shimer, Samuel J. & Sons, <i>Milton, Pa.</i> -----	1
Shoe & Leather Reporter, <i>Chicago, Ill.</i> -----	1
Shoe & Leather Review, <i>Chicago, Ill.</i> -----	1
Silas Bronson Library, <i>Waterbury, Conn.</i> -----	45
Simons, A. M., <i>Chicago, Ill.</i> -----	27
Smith, Bradner, & Co., <i>Chicago, Ill.</i> -----	1
Smith, Edwin Burritt, <i>Chicago, Ill.</i> -----	2
Smith, Shea, & Co., <i>Chicago, Ill.</i> -----	1
Smithsonian Institution, <i>Washington, D. C.</i> -----	8
Sociedad Científica "Antonio Alzate," <i>City of Mexico, Mexico</i> -----	1
Société d'Économie Politique, <i>Paris, France</i> -----	4
Somers, William A., <i>St. Paul, Minn.</i> -----	1
Somerville Public Library, <i>Somerville, Mass.</i> -----	1
Sontag, John M., <i>St. Charles, Ill.</i> -----	2
Sothenan, Henry, & Co., <i>London, Eng.</i> -----	1
South Carolina, State Board of Health, <i>Columbia, S. C.</i> -----	5
South Dakota, State School of Mines, <i>Rapid City, S. Dak.</i> -----	1
Southern and Southwestern Railway Club, <i>Atlanta, Ga.</i> -----	1
Spaulding, Frank E., <i>Passaic, N. J.</i> -----	8
Spencer, Roswell T., <i>Chicago, Ill.</i> -----	1
Sperr, F. W., <i>Houghton, Mich.</i> -----	1
Sprott, Thomas H., <i>Auburn, Ind.</i> -----	1
Squibb, Dr. Edward H., <i>Brooklyn, N. Y.</i> -----	2
Squier, H. Seymour, <i>Auburn, N. Y.</i> -----	1
Stadtbibliothek Zurich, <i>Zurich, Switzerland</i> -----	1
State Historical Society of Wisconsin, <i>Madison, Wis.</i> -----	1
Steward, John F., <i>Chicago, Ill.</i> -----	2
Stone, Charles J., <i>Chicago, Ill.</i> -----	4
Strohm, Adam, <i>Chicago, Ill.</i> -----	1
Sunset Club, <i>Chicago, Ill.</i> -----	3
Sure Hatch Incubator Co., <i>Clay Center, Neb.</i> -----	2
Swank, James M., <i>Philadelphia, Pa.</i> -----	1
Sydney Observatory, <i>Sydney, Australia.</i> -----	3
Syracuse Public Library, <i>Syracuse, N. Y.</i> -----	1

## LIST OF DONORS.

43

Volumes or  
Pamphlets.

Taunton, Municipal Lighting Plant, <i>Taunton, Mass.</i>	-----	1
Tengwall File and Ledger Co., <i>Chicago, Ill.</i>	-----	1
Texas Academy of Science, <i>Austin, Tex.</i>	-----	2
Texas, Department of State, <i>Austin, Tex.</i>	-----	27
Thrift Publishing Co., <i>New York, N. Y.</i>	-----	1
Tiffany, Henry S., <i>Chicago, Ill.</i>	-----	6
Toronto Astronomical Society, <i>Toronto, Can.</i>	-----	1
Toronto, Bureau of Mines, <i>Toronto, Can.</i>	-----	1
Toronto, City Engineer, <i>Toronto, Can.</i>	-----	1
Toronto Public Library, <i>Toronto, Can.</i>	-----	2
Trenton Iron Company, <i>Trenton, N. J.</i>	-----	4
Trickett, William P., <i>Kansas City, Mo.</i>	-----	1
Troy Laundry Machinery Co., <i>Troy, N. Y.</i>	-----	1
Tufts College, <i>Tufts College, Mass.</i>	-----	2
Tulane University of Louisiana, <i>New Orleans, La.</i>	-----	1
Tuskegee Normal and Industrial Institute, Experiment Station, <i>Tuskegee, Ala.</i>	-----	4
Union Metallic Cartridge Co., <i>Bridgeport, Conn.</i>	-----	1
Union Pacific Railway Co., <i>Omaha, Neb.</i>	-----	1
United States Government, <i>Washington, D. C.</i>	-----	693
United States, Hydrographic Office, <i>Chicago, Ill.</i>	-----	3
United States Metallic Packing Co., <i>Philadelphia, Pa.</i>	-----	1
Universitäts-Bibliothek, <i>Berlin, Germany</i>	-----	1
University Club, <i>New York, N. Y.</i>	-----	1
University of California, <i>Berkeley, Cal.</i>	-----	10
University of Cambridge, <i>Cambridge, Eng.</i>	-----	1
University of Chicago, <i>Chicago, Ill.</i>	-----	40
University of Colorado, <i>Boulder, Col.</i>	-----	1
University of Illinois, <i>Champaign, Ill.</i>	-----	16
University of Iowa, <i>Iowa City, Ia.</i>	-----	2
University of Michigan, <i>Ann Arbor, Mich.</i>	-----	3
University of Minnesota, <i>Minneapolis, Minn.</i>	-----	1
University of Missouri, <i>Columbia, Mo.</i>	-----	22
University of Nebraska, <i>Lincoln, Neb.</i>	-----	9
University of Oregon, <i>Eugene, Ore.</i>	-----	4
University of Pennsylvania, <i>Philadelphia, Pa.</i>	-----	28
University of St. Andrews, <i>St. Andrews, Scotland</i>	-----	1
University of Texas, <i>Austin, Tex.</i>	-----	1
University of Toronto, <i>Toronto, Can.</i>	-----	4
University of Washington, <i>Seattle, Wash.</i>	-----	1
University of Wisconsin, <i>Madison, Wis.</i>	-----	4
University Preparatory School, <i>Ithaca, N. Y.</i>	-----	1
Unknown	-----	2
Unterman, Ernest, <i>Chicago, Ill.</i>	-----	1
Van Marken, J. C., <i>Delft, Holland</i>	-----	1
Van Nostrand, D., Co., <i>New York, N. Y.</i>	-----	1
Van Publishing Co., <i>New York, N. Y.</i>	-----	1
Vermont, Board of Library Commissioners, <i>Montpelier, Vt.</i>	-----	8
Vermont, Inspector of Finance, <i>Poultney, Vt.</i>	-----	1
Vermont, State Board of Health, <i>Brattleboro, Vt.</i>	-----	2

## LIST OF DONORS.

	Volumes or Pamphlets.
Victoria, Department of Agriculture, <i>Melbourne, Australia</i> .....	1
Voynich, W. M., <i>London, Eng.</i> .....	6
Waddell & Hedrick, <i>Kansas City, Mo.</i> .....	1
Walker, Edwin S., <i>Chicago, Ill.</i> .....	1
Walker, Dr. Lewis M., <i>Foxborough, Mass.</i> .....	8
Walter, Herbert E., and Alice H., <i>Chicago, Ill.</i> .....	1
Wandall, John M., <i>Chicago, Ill.</i> .....	30
Ward, Henry A., <i>Chicago, Ill.</i> .....	2
Ward, Prof. Henry B., <i>Lincoln, Neb.</i> .....	6
Warner & Swasey Co., <i>Cleveland, O.</i> .....	3
Warner, George E., <i>Minneapolis, Minn.</i> .....	2
Warren County Library and Reading Room Association, <i>Mon- mouth, Ill.</i> .....	1
Warvelle, George W., <i>Chicago, Ill.</i> .....	2
Washburn Observatory, <i>Madison, Wis.</i> .....	1
Washington, State Board of Health, <i>Olympia, Wash.</i> .....	2
Waterloo, Stanley, <i>Chicago, Ill.</i> .....	1
Watertown Free Public Library, <i>Watertown, Mass.</i> .....	1
Watt, Frederick A., <i>Chicago, Ill.</i> .....	1
Westborough Insane Hospital, <i>Westborough, Mass.</i> .....	1
West Chicago Park Commission, <i>Chicago, Ill.</i> .....	1
Western Railway Club, <i>Chicago, Ill.</i> .....	2
Western Society of Engineers, <i>Chicago, Ill.</i> .....	13
Westinghouse Electric and Manufacturing Co., <i>Pittsburg, Pa.</i> .....	23
Williams and Norgate, <i>London, Eng.</i> .....	1
Williams, J. H. & Co., <i>Brooklyn, N. Y.</i> .....	4
Willis, Bailey, <i>Washington, D. C.</i> .....	1
Wilmington Institute, <i>Wilmington, Del.</i> .....	1
Wisconsin Academy of Sciences, Arts, and Letters, <i>Madison, Wis.</i> .....	1
Wisconsin, Geological and Natural History Survey, <i>Madison, Wis.</i> .....	2
Wisconsin, Library Commission, <i>Madison, Wis.</i> .....	2
Wisconsin, State Board of Health, <i>Milwaukee, Wis.</i> .....	1
Woodruff, Hon. Clinton R., <i>Philadelphia, Pa.</i> .....	1
Worcester County Law Library, <i>Worcester, Mass.</i> .....	1
Worcester Polytechnic Institute, <i>Worcester, Mass.</i> .....	1
Worthington, Henry R., <i>Brooklyn, N. Y.</i> .....	17
Wyoming Agricultural Experiment Station, <i>Laramie, Wyo.</i> .....	7
Yale University, <i>New Haven, Conn.</i> .....	2
Young Men's Christian Association, <i>Chicago, Ill.</i> .....	1
Young Men's Christian Association Library, <i>New York, N. Y.</i> .....	1
<b>Total</b> .....	<b>5,720</b>

AN ACT TO AUTHORIZE THE JOHN CRERAR LIBRARY  
TO ERECT AND MAINTAIN A FREE PUBLIC LIBRARY  
ON GRANT PARK, COMMONLY CALLED LAKE PARK  
OR LAKE FRONT PARK, IN THE CITY OF CHICAGO.

WHEREAS, John Crerar, by his last will, endowed for all time a free public library, to be located in Chicago, to be known as "The John Crerar Library," which library has been duly organized in accordance with said will and under the provisions of an act entitled "An act to encourage and promote the establishment of free public libraries in cities, villages, and towns of this State," approved June 17, 1891, and in force July 1, 1891; and,

WHEREAS, For the past five years said library has been occupying temporary quarters in Chicago, and the growth of the library and of its patronage by the public require its removal within the near future into a permanent, adequate, and fire-proof building; and,

WHEREAS, The interests and convenience of the public will be best subserved by placing said building on Grant Park, commonly called Lake Park or Lake Front Park, near the Chicago public library, inasmuch as the two institutions now co-operate in subserving the interests and welfare of the public, and inasmuch as no other location for said building can be procured so convenient to the public and so accessible from all parts of the city; therefore,

SECTION 1. *Be it enacted by the People of the State of Illinois, represented in the General Assembly:* That The John Crerar Library be and it is hereby, authorized to take possession of that part of the tract of land in Chicago named Grant Park, commonly known as Lake Park or Lake Front Park, bounded on the north by the south line of Madison street, extended east; on the east by the right of way of the Illinois Central railroad; on the south by the north line of Monroe street, extended east, and on the west by the east line of Michigan avenue, and to erect and maintain thereon, or on such part thereof as may be selected by said library, a free public library building, and the necessary extensions thereto from time to time, under and in pursuance of the power and authority conferred by an act entitled "An act to encourage and promote the establishment of free public libraries in cities, villages, and towns of this State," approved June 17, 1891, and in force July 1, 1891, and all necessary powers and authority to

the board of directors, trustees, or managers of said library are hereby granted for carrying the foregoing into effect; *Provided*, the said library shall procure the consent of such abutting property owners as have the right to object to the erection of said library building, and the possession and use of said land for library purposes, before beginning the construction of said building; *And, provided further*, that the trustees of the fund bequeathed by John Crerar for the erection of a colossal statue of Abraham Lincoln in Chicago, if they so elect, shall have the right to place said statue upon any part of said tract of land which is not to be occupied by said library building or its proposed extensions.

§ 2. The John Crerar Library shall always remain a free public library, open at all times to the public subject to the reasonable regulations established from time to time by its board of directors, trustees, or managers; and it is hereby expressly provided that, if at any time the building herein authorized to be erected upon the premises described in this act shall cease to be maintained and used as a free public library, as aforesaid, then, in such event, the rights herein granted to the said The John Crerar Library shall cease and determine, and the grant herein made shall become null, void and of no effect.

§ 3. The John Crerar Library shall, within three years from the passage of this act, begin the construction of said library building, which shall be fire-proof, substantial, and appropriate for public library purposes.

§ 4. Such part of the land herein granted as shall not be occupied by said library building and its extensions, and said statue of Abraham Lincoln, shall be kept by said library at its own expense in suitable and attractive condition, similar to the manner in which other parts of Grant Park, commonly called Lake Park or Lake Front Park, are kept to the south of Monroe street, and shall at all times be free to the public subject to the reasonable regulations pertaining to the use of other parts of Grant park, commonly called Lake park or Lake Front park by the public.

§ 5. The mayor and comptroller of the city of Chicago shall, by virtue of their office, be and become members of the board of directors, trustees, or managers of The John Crerar Library, and proper provisions shall be made, as soon as practicable, in the by-laws or rules of said library to carry into effect the provisions of this section.

*Approved March 29, 1901.*

AN ORDINANCE AUTHORIZING THE JOHN CRERAR LIBRARY TO ERECT AND MAINTAIN A FREE PUBLIC LIBRARY ON GRANT PARK, COMMONLY CALLED LAKE PARK OR LAKE FRONT PARK, IN THE CITY OF CHICAGO.

WHEREAS, John Crerar, by his last will, endowed for all time a free public library, to be located in Chicago, to be known as "The John Crerar Library," which library has been duly organized in accordance with said will, and under the provisions of an act entitled "An act to encourage and promote the establishment of free public libraries in cities, villages, and towns of this State," approved June 17, 1891, and in force July 1, 1891; and

WHEREAS, For the past five years said library has been occupying temporary quarters in Chicago, and the growth of the library and of its patronage by the public require its removal, within the near future, into a permanent, adequate, and fire-proof building; and

WHEREAS, The interests and convenience of the public will be best subserved by placing said building on Grant Park, commonly called Lake Park or Lake Front Park, near the Chicago Public Library, inasmuch as the two institutions now co-operate in subserving the interests and welfare of the public, and inasmuch as no other location for said building can be procured so convenient to the public, and so accessible from all parts of the city; therefore,

*Be it ordained by the City Council of the City of Chicago:*

SECTION 1. That The John Crerar Library be and it is hereby authorized to take possession of that part of the tract of land in Chicago named Grant Park, and commonly known as Lake Park or Lake Front Park, bounded on the north by the south line of Madison street extended east, on the east by the right of way of the Illinois Central railroad, on the south by the north line of Monroe street extended east, and on the west by the east line of Michigan avenue, and to erect and maintain thereon, or on any such part thereof as may be selected by said library, a free public library building and the necessary extensions thereto from time to time, under and in pursuance of the power and authority conferred by an act entitled "An act to encourage and promote the establishment of free public libraries in cities, villages, and towns of this state," approved

June 17, 1891, and in force July 1, 1891, and all necessary powers and authority to the Board of Directors, Trustees, or Managers of said library are hereby granted for carrying the foregoing into effect; provided, the said library shall procure the consent of such abutting property owners as have the right to object to the erection of said library building, and the possession and use of said land for library purposes, before beginning the construction of said building; and provided further, that the trustees of the fund bequeathed by John Crerar for the erection of a colossal statue of Abraham Lincoln in Chicago, if they so elect, shall have the right to place said statue upon any part of said tract of land which is not to be occupied by said library building or its proposed extensions.

SECTION 2. The John Crerar Library shall always remain a free public library, open at all times to the public, subject to the reasonable regulations established from time to time by its Board of Directors, Trustees, or Managers; and it is hereby expressly provided that if at any time the building herein authorized to be erected upon the premises described in this ordinance shall cease to be maintained and used as a free public library as aforesaid, then in such event the rights herein granted to the said the John Crerar Library shall cease and determine, and the grant herein made shall become null, void and of no effect.

SECTION 3. The John Crerar Library shall, within three (3) years from the passage of this ordinance, begin the construction of said library building which shall be fire-proof, substantial, and appropriate for public library purposes. The main building for said library, not including contemplated extensions thereof, shall be erected within six (6) years from the date of the passage of this ordinance, and in case said main library building shall not be so erected within six (6) years from the date of the passage of this ordinance, then in such event, the grant herein named shall become null, void, and of no effect.

SECTION 4. Such part of the land herein granted as shall not be occupied by said Library Building and its extensions and said statue of Abraham Lincoln, shall be kept by said Library, at its own expense, in suitable and attractive condition, similar to the manner in which other parts of Grant Park, commonly called Lake Park or Lake Front Park, are kept to the south of Monroe street, and shall at all times be free to the public, subject to the reasonable regulations pertaining to the use of other parts of Grant Park, commonly called Lake Park or Lake Front Park by the public.

SECTION 5. The Mayor and Comptroller of the City of Chicago

shall, by virtue of their office, be and become members of the Board of Directors, Trustees, or Managers of The John Crerar Library, and proper provision shall be made as soon as practical in the by-laws or rules of said Library, to carry into effect the provisions of this section.

SECTION 6. This ordinance shall be in force and effect from and after its passage and approval by the Mayor.

*[Passed March 18, 1901.]*

## AMENDMENT TO THE BY-LAWS.

*Resolved*, That the By-Laws of The John Crerar Library be, and the same are hereby amended by adding thereto, the following Section:

SECTION 24. The Mayor and Comptroller of the City of Chicago, shall be *ex-officio* members of the Board of Directors of The John Crerar Library.

*Adopted, November 26, 1901.*

32765  
not

THE  
**JOHN CRERAR LIBRARY**

EIGHTH ANNUAL REPORT

FOR THE YEAR

1902



CHICAGO  
PRINTED BY ORDER OF THE BOARD OF DIRECTORS  
1903



## OFFICERS, 1903

---

*President*

PETER STENGER GROSSCUP

*First Vice-President*

HENRY W. BISHOP

*Second Vice-President*

THOMAS D. JONES

*Secretary*

ARTHUR J. CATON

*Treasurer*

WILLIAM J. LOUDERBACK

*Librarian*

CLEMENT W. ANDREWS

---

## BOARD OF DIRECTORS

---

MARSHALL FIELD

E. W. BLATCHFORD

PETER STENGER GROSSCUP

ROBERT T. LINCOLN

ARTHUR J. CATON

HENRY W. BISHOP

MARVIN HUGHITT

ALBERT KEEP

THOMAS D. JONES

JOHN M. CLARK

JOHN J. MITCHELL

FRANK S. JOHNSON

LEONARD A. BUSBY

CARTER H. HARRISON, Mayor of Chicago, *ex-officio*

LAWRENCE E. MCGANN, Comptroller of Chicago, *ex-officio*

---

## STANDING COMMITTEES

---

*Finance*

MARSHALL FIELD

ALBERT KEEP

JOHN J. MITCHELL

*Administration*

E. W. BLATCHFORD

LEONARD A. BUSBY

MARVIN HUGHITT

*Buildings and Grounds*

JOHN M. CLARK

ROBERT T. LINCOLN

HENRY W. BISHOP

*Books*

FRANK S. JOHNSON

ARTHUR J. CATON

THOMAS D. JONES

## DIRECTORS, 1894-1903

NORMAN WILLIAMS	- - - -	1894-1899*
HUNTINGTON W. JACKSON	- - - -	1894-1901*
MARSHALL FIELD	- - - -	1894-
E. W. BLATCHFORD	- - - -	1894-
T. B. BLACKSTONE	- - - -	1894-1899†
ROBERT T. LINCOLN	- - - -	1894-
HENRY W. BISHOP	- - - -	1894-
EDWARD G. MASON	- - - -	1894-1895†
ALBERT KEEP	- - - -	1894-
EDSON KEITH	- - - -	1894-1896*
SIMON J. MCPHERSON	- - - -	1894-1899†
JOHN M. CLARK	- - - -	1894-
GEORGE A. ARMOUR	- - - -	1894-1899†
FRANK S. JOHNSON	- - - -	1896-
PETER STENGER GROSSCUP	- - - -	1897-
ARTHUR J. CATON	- - - -	1900-
MARVIN HUGHITT	- - - -	1900-
THOMAS D. JONES	- - - -	1900-
JOHN J. MITCHELL	- - - -	1900-
LEONARD A. BUSBY	- - - -	1901-

\* Deceased

† Resigned

## OFFICERS, 1895—1903

---

### *Presidents*

NORMAN WILLIAMS	- - - - -	1895—1899
HUNTINGTON W. JACKSON	- - - - -	1900—1901
PETER STENGER GROSSCUP	- - - - -	1901—

### *First Vice-Presidents*

EDWARD G. MASON	- - - - -	1895
HUNTINGTON W. JACKSON	- - - - -	1896—1900
PETER STENGER GROSSCUP	- - - - -	1900
HENRY W. BISHOP	- - - - -	1901—

### *Second Vice-Presidents*

MARSHALL FIELD	- - - - -	1895—1899
PETER STENGER GROSSCUP	- - - - -	1899—1900
HENRY W. BISHOP	- - - - -	1900—1901
THOMAS D. JONES	- - - - -	1901—

### *Secretaries*

GEORGE A. ARMOUR	- - - - -	1895—1900
ARTHUR J. CATON	- - - - -	1900—

### *Treasurer*

WILLIAM J. LOUDERBACK	- - - - -	1895—
-----------------------	-----------	-------

### *Librarian*

CLEMENT W. ANDREWS	- - - - -	1895—
--------------------	-----------	-------

## LIBRARY STAFF, 1903

<i>Librarian</i>	- - - - -	CLEMENT W. ANDREWS
<i>Assistant Librarian</i>	- - - - -	ANDERSON H. HOPKINS
<i>Cataloguer</i>	- - - - -	AKSEL G. S. JOSEPHSON
<i>Reference Librarian</i>	- - - - -	CHARLES J. BARR
<i>Classifier</i>	- - - - -	CHARLES H. BROWN
<i>Assistant Cataloguer</i>	- - - - -	MARY E. HAWLEY
<i>Assistant Reference Librarian</i>	- -	CAROLINE MILES HILL

### *Senior Assistants*

EDITHA C. PHELPS	ELEANOR ROPER
SARAH S. DICKINSON	GERTRUDE FORSTALL
CHARLOTTE H. FOYE	ELIZABETH MONTROSS

### *Junior Assistants*

MARY EMILY MILLS	FRANK L. GRIFFIN
CHARLES WITT	MAY L. MARTIN
ANNIE LOUISE O'NEILL	ESTELLE LUTTRELL
BLANCHE SEELY	BESS R. BALDWIN
WILLIAM TEAL	ELLEN G. SMITH

### *Attendants*

DOUGLAS CALHOUN	PAUL VAN CLEEF
FRANK F. STEPHENS	OSCAR NORMAN
CHARLES B. HARBAUGH	JOSEPH BLIGHT

### *Pages*

MICHAEL BAUER	FRANK HUNTSCHA
	SAMUEL S. MARKS.

<i>Janitor</i>	- - - - -	THEODORE F. WILLIAMS
<i>Assistant Janitor</i>	- - - - -	WILLIAM R. BICKHAM

## REPORT OF THE PRESIDENT.

TO THE GOVERNOR OF ILLINOIS:

In accordance with the provisions of an Act entitled: "An Act to encourage and promote the establishment of free public libraries in cities, villages, and towns in this state," approved June 17, 1891, under which this corporation is organized, the Directors of The John Crerar Library submit their eighth annual report.

The eighth year of the work of the Library has shown most satisfactory advances in its usefulness to the public, in its actual growth, and in its prospects for future usefulness and growth. The total use of the Library has been over 155,000 books and periodicals, and the Library has been frequented by 66,500 visitors, an average of 213 a day, and an increase of more than 11,600 over the records of last year. The Library now contains 89,219 volumes, and receives 1,654 periodicals and 4,644 other serials.

No changes have occurred in the Board of Directors during the past year.

The Board of Directors is now composed of the following persons: Peter S. Grosscup, Marshall Field, E. W. Blatchford, Robert T. Lincoln, Henry W. Bishop, Albert Keep, John M. Clark, Frank S. Johnson, Thomas D. Jones, Arthur J. Caton, Marvin Hughitt, John J. Mitchell, and Leonard A. Busby, and Carter H. Harrison, Mayor, and Lawrence E. McGann, Comptroller of Chicago, *ex officio* members.

The officers of the Library are as follows: President, Peter S. Grosscup; First Vice-President, Henry W. Bishop; Second Vice-President, Thomas D. Jones; Secretary, Arthur J. Caton; Treasurer, William J. Louderback.

Appended to this report is the report of the Treasurer show-

## REPORT OF THE PRESIDENT

ing the finances of the Library for the past year, together with a statement of the assets and investments as required by law.

Respectfully submitted,

PETER STENGER GROSSCUP,

*President.*

CHICAGO, January 1, 1903.

## REPORT OF THE TREASURER.

### STATEMENT OF FINANCES FOR YEAR 1902.

#### CASH.

##### Cash on hand January 1, 1902:

In bank	- - - -	<u>\$6,457.73</u>
Librarian, petty cash	- - - -	<u>172.48</u>
		<u>\$6,630.21</u>

#### RECEIPTS.

Collections account income	- - -	<u>\$172,050.87</u>
Bills Collectable	- - - -	<u>120.10</u>
Investments:		
Bills Receivable	- - - -	<u>200,000.00</u>
Stocks	- - - -	<u>117,691.50</u>
Accounts Receivable	- - - -	<u>16,686.50</u>
		<u>506,548.97</u>
		<u>\$513,179.18</u>

#### DISBURSEMENTS.

Audited Vouchers	- - - -	<u>\$117,875.65</u>
Investments:		
Bonds	- - -	<u>\$288,792.84</u>
Stocks	- - -	<u>51,300.00</u>
		<u>340,092.84</u>
Huntington W. Jackson Fund:		
Bonds	- - -	<u>992.75</u>
		<u>458,961.24</u>

##### Cash on hand December 31, 1902:

In bank	- - - -	<u>\$54,068.72</u>
Librarian, petty cash	- - - -	<u>149.22</u>
		<u><u>\$54,217.94</u></u>

## REPORT OF THE TREASURER.

## OPERATION.

INCOME	- - - - -	\$180,404.40
--------	-----------	--------------

## EXPENSE.

## Administration:

Rent, Light, etc.	- -	\$19,205.01
Salaries, Wages	- -	31,413.01
Supplies	- -	1,873.76
Printing	- -	4,141.53
Transportation, Postage	- -	1,166.95
Sundries	- -	6,081.35
		<u>\$63,881.61</u>

## Books:

Books	- - -	\$38,364.19
Periodicals	- - -	5,298.55
Binding	- - -	6,881.00
Lettering, Repairs	-	<u>1,398.90</u>
		<u>51,942.64</u>

## Buildings and Grounds:

Repairs	- -	\$353.54
Depreciation	- -	<u>1,667.61</u>
		<u>2,021.15</u>
		<u>117,845.40</u>

## Surplus for year 1902:

Carried to Building Fund	- - -	<u>\$62,559.00</u>
--------------------------	-------	--------------------

## ASSETS.

Bonds, including Huntington W. Jackson Fund	- - - -	\$2,152,243.38
Stocks	- - - -	942,195.50
Mortgage and Other Loans	- - -	710,000.00
Furniture and Fixtures	- - -	15,008.51
Book Investment	- - -	184,047.58
Accounts Receivable	- - -	778.50
Bills Collectable	- - -	122.43
Cash	- - -	<u>54,217.94</u>
Total	- - -	<u>\$4,058,613.84</u>

## LIABILITIES.

Endowment Fund	- - - -	\$3,400,000.00
Building Fund	- - - -	457,084.43
Book Fund	- - - -	184,047.58
Security Reserve Fund	- - -	16,478.78
Huntington W. Jackson Fund	- - -	1,000.00
Audited Vouchers	- - -	<u>3.05</u>
Total	- - -	<u>\$4,058,613.84</u>

REPORT OF THE TREASURER.

11

The Building Fund has been increased by the amount of the surplus for the year, viz., \$62,559.00, making a total to the credit of that Fund of \$457,084.43.

The Book Fund has been increased by the amount of the investment during the year, less depreciation, and now stands at \$184,047.58.

Insurance is in force covering the property of the Library in amounts as follows:

Books	-	-	-	-	-	\$153,000.00
Furniture, Fixtures, and Decorations	-	-	-	-	-	14,000.00
Portraits	-	-	-	-	-	4,000.00
Type and Cases	-	-	-	-	-	2,900.00
						<hr/>
						\$173,900.00

Wm. J. LOUDERBACK,  
Treasurer.

CHICAGO, January 15, 1903.

---

Having completed a thorough examination of the books of account and vouchers of The John Crerar Library for the twelve months ended December 31, 1902, and verified the bank balances and securities on hand as at the close of the year, and found everything in order, we hereby certify that the foregoing statements of account accurately represent the transactions of said period and the financial condition of The John Crerar Library as at December 31, 1902.

WILKINSON, RECKITT, WILLIAMS & Co.,  
511-512 Royal Insurance Bldg.,  
Chicago, Ill.  
CHICAGO, April 13, 1903.

## REPORT OF THE LIBRARIAN.

TO THE BOARD OF DIRECTORS OF THE JOHN CRERAR LIBRARY.

*Gentlemen:*—In the internal administration of the library during 1902 four points seem worthy of special mention. These are: first, the continued increase, beyond expectation, in the use made of the library; second, the very considerable increase in its collections through the purchase of the Ely collection, by purchases at the Milne-Edwards sale, and by gift; third, the great number of interruptions of the routine work through absences or resignations; and fourth, the purchase of printed catalogue cards from the Library of Congress. The first three have tended to increase the arrears of work to be done, while the fourth has lessened this increase materially, and especially has taken care of the books most in demand. On the whole, therefore, the library is not only serving more people than it was a year ago, but is meeting better the larger part of the demands upon it. While some very valuable and much useful material is not available, the staff now provided for is as large as can work conveniently in the present rooms, and under normal conditions ought to make good progress in clearing off these arrears.

The library was open every week-day throughout the year. The statistics of attendance and use for each month and the comparison of the totals for the year with those of previous years are given in the first table of library statistics. In 1902, 66,512 visitors were recorded, a daily average of 213, and an increase of 11,684, or 22 per cent, over 1901; 39,606 calls for books, and 12,250 for periodicals, an increase of 9,922 in all, or 23 per cent; 1,167 readers were admitted to the stacks, an increase of 121, or 12 per cent. Assuming the same proportion of total to recorded use as in previous years, the total use for 1902 may be estimated at 155,000 volumes and periodicals.

The smallest attendance in any one day was 56 on July 4, and the largest was 350 on October 25; the corresponding fig-

ures for 1901 were 58 and 314 respectively. The average evening attendance was 50, an increase of 14 over the previous year.

The attendance on the holidays which are generally observed as such, has been as follows:

	RECORDED ATTENDANCE	AVERAGE FOR MONTH	RATIO
New Year's Day-----	74	211	.35
Memorial Day -----	135	207	.65
Independence Day-----	56	176	.32
Thanksgiving-----	102	254	.40
Christmas -----	85	224	.38
Total -----	455	1,077	
Average -----	91	215	.42

In 1901 the total attendance on the same holidays was 395 and the ratio .45, so that the holiday attendance has increased at almost the same rate as the total attendance.

This very considerable increase in the attendance and use has been contrary to the expectation expressed in the last annual report. Nor is it largely due to the unforeseen closing of the Chicago Public Library in the evening since May. The two libraries serve such different needs that not many of the readers in one would find the other of use. While a part of the increase in the evening attendance undoubtedly is due to this cause, it is very doubtful if it will suffer appreciably by the reopening of the Public Library.

On certain days the number of readers in the afternoon has almost exhausted the seating capacity of the Reading Room, and has overtaxed its natural ventilation. Ventilating fans have been tried to remedy the latter trouble, and give promise of success. A few additional seats can be added without serious inconvenience, and the necessary additional space for the public card catalogues can be secured by moving the reference desk. With these changes and with provision for additional stack room it is quite possible that the present quarters may be made to serve for a year or two beyond the expiration of the present lease, but any longer stay in them would necessitate many alterations.

A detailed classification of the call-slips and admissions to the stack is given in the second table of library statistics. The following comparison of the totals and percentages for each department with the corresponding figures for 1901, shows that

as in previous years the rate of increase in the calls for books and periodicals is practically constant, and that the admissions to the stack show decided variations.

	RECORDED USE				ADMISSIONS TO THE STACK			
	1901		1902		1901		1902	
	Total	Percent- age	Total	Percent- age	Total	Percent- age	Total	Percent- age
General Works-----	9,971	23	12,860	25	107	10	100	9
Social Sciences-----	6,221	15	7,876	14	97	9	120	10
Physical Sciences-----	6,196	15	6,738	13	199	19	255	22
Natural Sciences-----	2,942	7	3,871	8	292	28	235	20
Applied Sciences-----	16,604	40	20,516	40	351	34	457	39

The purchase of the Ely collection should have the effect of increasing the scholarly use of the library in the department of Social Sciences, and therefore of increasing the admissions to the stack in that department to a proportion more nearly equal to those of the other departments.

Of the admissions to the stack 970 have been by registration and 197 on presentation of 28 passes. Three additional passes have been granted during the year, making a total of 62 nominally in force. The reasons suggested in the last annual report for the small number of passes granted and the decreasing use made of those which have been granted have been confirmed by additional testimony as to the effectiveness of the public card catalogues.

With seven exceptions, every subject shows an increase in the number of calls, though, as in previous years, the increases are by no means in uniform proportion. The calls for landscape gardening, industrial art, and photography have more than doubled, and those for political economy, astronomy, and agriculture have increased more than one-half. On the other hand, calls for philosophy and logic have diminished more than one-half, and those for bibliography and mathematics about one-fifth.

The service of the delivery desk has been seriously hampered by the frequent changes in the attendants and pages, and by repeated breakdowns of the book-lift. For these reasons it would be unfair to those who have done their best under difficulties to make any comparison of the time required to fill orders with that taken in previous years. The manufacturers have undertaken to put the lift in perfect running order, and this cause of delay at least should be inoperative in the coming year.

During the year the library has issued the *Seventh Annual Report*, a *List of Periodicals Currently Received*, and a *List of Bibliographies of Special Subjects*. Of the annual report, a pamphlet of 50 pages, the usual edition of 4,000 was printed and the greater portion distributed in May. It included, besides the regular matters, the record of the state and municipal action in granting the use of a portion of the Lake Front Park for a site. The *List of Periodicals Currently Received* was corrected to June, and contained the titles of nearly 1,600 periodicals arranged first alphabetically and then by the broad classification adopted for the periodical alcove, and finally those in foreign languages were arranged by language. The cross references which seemed to be required were given, and the whole made a pamphlet of 96 pages. An edition of 1,000 copies was printed and the linotypes kept for future editions. The *List of Bibliographies of Special Subjects* contains some 3,000 titles, and is a book of 504 pages. It gives not only the distinctly bibliographical works on each subject, whether periodicals or monographs, but also works which contain bibliographical material thought to be of interest either because of the number of titles given or the minuteness of the subject treated. It includes also the general indexes to periodicals covering more than two years, whether the periodicals themselves contain bibliographical material or not, and the catalogues of special libraries which often are valuable as bibliographies. The most serious omission is that of analytical references to serial publications and to articles in periodicals. The entries are practically the same as those of the 016 section of the classed catalogue, and are in the same arrangement, but a full index of names, titles, and subjects has been provided. An edition of 966 copies was printed at a cost of almost exactly \$1.00 a copy. In accordance with the policy of the library a nominal price of twenty-five cents, or fifty cents postpaid, has been placed upon it. Though only issued in December it has been already quite favorably noticed, and promises to be a useful tool for investigators and in reference work.

This publication is the second of those printed from the electrotype plates and suggests a revision of the opinions based upon the first which are expressed in the Sixth Annual Report

(page 16). If the cost of the 47 pages of prefatory matter and index is subtracted and a reasonable allowance made for the saving which would be made if the library were able to have one of its own staff select the plates from the cabinets and replace them, the cost of an edition of 500 copies would have been very nearly as these stated. It has been found, however, that 500 copies do not give a sufficient margin over the number required to supply the regular mailing list and the demands of the library itself. On an edition of 1,000 copies the economy of the method very nearly disappears. Unfortunately, also, the important item of postage was not included in the calculation. The bulletins would be about one-third smaller if printed from brevier type, and the postage would be diminished in that proportion. Assuming that the library distributes half of an edition of 1,000 copies by mail at its own expense, the revised calculation would be somewhat as follows:

	ELECTROTYPE	TYPE
	500 Pages	335 Pages
Electrotypes-----	\$301	---
Composition-----	---	\$500
Make-up-----	150	---
Presswork, 1,000 copies-----	228	154
Paper, 1,000 copies-----	206	132
Proof-reading at Library-----	---	125
Postage, 500 copies-----	125	80
Total-----	\$1,010	\$994

According to this calculation, therefore, there is no economy in the use of the electrotypes for first editions of this size. On the other hand, it is quite possible that 1,000 copies will be found to be a larger edition than is needed, and there is the great economy of a second edition as well as the advantage of being able to print quickly and cheaply extra copies of the catalogue cards as wanted. The saving in money and time on each reprinted title is enough to pay for electrotyping two. No fewer than 815 titles were reprinted last year, but this was an exceptionally large number on account of the transfer of the shelf-list to printed cards, and it is practically certain that not enough extra cards will be wanted to justify the expense on this account. Moreover, the Library of Congress now supplies some 40 per cent of all our titles, and a larger proportion, perhaps 60 per cent, of those likely to be used in future bulletins. For

these of course electrotypes can be obtained only by setting the type expressly for that purpose, which would more than double their cost. After careful consideration of all these factors it has seemed best for the present to electrotype only such titles as are known to be wanted for the bulletins which have been undertaken or planned.

The following table shows the distribution of the various publications:

TITLE	Date	Edition	DISTRIBUTED			On hand Dec. 31
			On hand Jan. 1	Gift or Exchange	Sale	
Books in Reading Room --	1900	500	67	7	11	49
List of Serials -----	1901	350	197	6	1	190
Periodicals Currently Re- ceived -----	1902	1,000		422	18	560
Bibliographies of Special Subjects -----	1902	966		368	12	586

Four bulletins are planned for the immediate future; a list of scientific dictionaries, a list of histories of the sciences, a second edition of the *List of Books in the Reading Room*, and the first supplement to the *List of Serials in the Public Libraries of Chicago and Evanston*. All but one of the libraries joining in the original publication have sent additions and corrections for the supplement, and the comprehensiveness of the work has been greatly added to by the inclusion of the Chicago Historical Society in the list of co-operating libraries. The preparation of the material for the printer has been nearly completed. The supplement will be more important than had been anticipated. The original list contained some 8,000 entries, including cross references; the supplement will contain some 4,000. The number of broken or partial sets completed by the various libraries during the two years is remarkable. Judging from the experience of this library this improvement has been hastened and assisted in no small degree by the publication of the list. If that is the case the Chicago Library Club may feel that it is well repaid for its efforts, and the John Crerar Library may hope that by the publication of frequent supplements it will assist in the future improvement of this important department of library work. Of course this usefulness is entirely apart from the main purpose of the work, which is to assist the reader or student to find most conveniently to himself a given volume of a given periodical.

The distribution of catalogue cards to the Armour Institute of Technology, Chicago Public Library, Field Columbian Museum, Library of Congress, Northwestern University, University of Chicago, and University of Illinois has been continued. Some little demand for these cards from students and others has been met by the sale of 543 copies on five orders, under the provisions established by the Committee on Administration noted in the last annual report. The distribution to the seven libraries includes one copy of the cards received from the Library of Congress after the shelf-mark of this library has been added. The set returned by the Newberry Library was made complete and sent to the Library of Congress. From the latter has been received in exchange since December 1, 1901, a total of 45,569 cards, 33,600 being cards printed since November, 1901, and the remainder being a portion of those printed earlier. About 43,000 of the latter are still to be received. Those which have been received are arranged by authors and are consulted frequently by the staff and occasionally by the public. An order has been given for an additional copy of each title in Bibliography and Library Economy to be arranged by subject for the use of the staff.

The selection and ordering of new books has been assisted materially by the receipt of the Library of Congress proof sheets. The orders made from them are given special treatment, which enables the library not only to obtain most American and some foreign books more promptly than before, but in most cases to have the Library of Congress cards ready for them when they arrive. At the same time good progress has been made in reducing the accumulation of titles of foreign books already selected for purchase. During the year 6,358 orders have been given. Of these 101 failed or were canceled, leaving 6,257 valid orders covering 9,966 volumes at an estimated cost of \$20,589.27. Of outstanding orders, 5,521 were filled, covering 10,590 volumes at a cost of \$23,373.87, leaving outstanding 2,067 orders covering 2,166 volumes at an estimated cost of \$7,546.95. These figures include the purchases from the sale of the third portion of the Milne-Edwards collection in May, but do not include the purchase of the Ely collection in October.

The purchases of books in foreign languages on inspection

have not been extensive, for the sufficient reason that only a small number have been sent. No satisfactory explanation of the failure to send more has been given. The results so far show that if a larger proportion of the new publications within the scope of the library could be examined the advantages would be worth the increased cost.

The total accessions for 1902 have been 13,000, of which 2,410 have been received as gifts and 10,590 obtained by purchase. Volumes made by binding serials are included in these figures. There have been withdrawn 213 volumes, leaving the net accessions for the year 12,787, which with the 76,432 reported in 1901, make a total now on the books of 89,219. Except for the Ely collection the arrears of work in the Receiving Room are much smaller than a year ago in spite of serious interruptions in the service. The classification of the accessions of the year and of the total now in the library is shown in the second table of library statistics. All departments show a considerable gain; that in Natural Sciences, owing to the Milne-Edwards purchases, being very noticeable. The totals and percentages in each department are as follows:

DEPARTMENT	ACCESSIONS 1902		TOTAL IN LIBRARY	
	Volumes	Percent-	Volumes	Percent-
General Works-----	2,381	19	17,770	20
Social Sciences-----	3,090	23	22,251	25
Physical Sciences-----	1,369	11	12,762	14
Natural Sciences-----	2,494	20	13,204	15
Applied Sciences-----	3,453	27	23,252	26

The periodicals currently received for use in the periodical alcove are 1,654, of which 198 are received as gifts and 1,456 are subscribed for at a total cost of \$5,281.57. Their classification is shown in the second table of library statistics. Full advantage has not been taken as yet of the increased appropriation for periodicals, partly because of the delay in publication of the lists of those to be analyzed for the International Catalogue of Scientific Literature and partly because the publication of the first supplement to the List of Serials will give more accurate information as to those taken elsewhere in Chicago. The Continuation Record contains 4,644 titles, 1,750 having been added during the year, completing the record to date. About one-

fifth of these continuations are purchased, the total cost being \$2,130.23, and the number of volumes completed 537.

The most notable purchase of the year, indeed of any year, has been that of the collection of Professor Richard T. Ely of the University of Wisconsin. It covers the whole of political economy, but is especially strong in works dealing with the American labor and social movement. It comprises some 4,000 volumes, 600 of them being bound volumes of labor periodicals, and some 4,000 pamphlets. At present it is stored in the forty cases which it fills, awaiting the decision of the Board as to its treatment. Unfortunately the limited space in the present quarters prevents any display of the collection until the work of entering on the accession books and of classification has been done. At the best it will be a long time before all of it can be made available, but if an assistant is especially assigned to the work not only will progress be swifter, but better provision can be made for the selection of material for immediate treatment.

The third portion of the Milne-Edwards collection, sold in Paris in May, did not prove to be as valuable as the others, and no fourth sale has taken place or is announced. Consequently only \$2,300 of the special appropriation was used. This amount secured 207 lots, comprising 559 volumes. Only 17 bids were lost. While relatively unimportant, the purchase adds considerably to the strength of the library on Invertebrate Zoölogy. Of the individual works from the second and third portions of the Milne-Edwards collection may be mentioned Pictet, *Descriptions des fossiles du terrain crétacé*, and sets of *Paléontologie française*, *Mission scientifique à Méxique*, *Annales de la Société entomologique de France*, and *Journal de conchyliologie*. From other sources were obtained an interesting collection of books in Japanese, some of them old and rare, on the native art of floral arrangement, a set of the publications of the International Correspondence Schools, the journal of the executive proceedings of the United States Senate, Durm's *Handbuch der Architektur*, and Martius, *Flora Brasiliensis*. Many sets of serials have been completed, including the *Saturday Review*, *Chicago Journal of Commerce*, *Edinburgh Philosophical Journal*, *Journat für praktische Chemie*, *Flora*, *Annales scientifiques de*

*l'École normale supérieure*, *Gazzetta chimica italiana*, and a set of the Memoirs of the Royal Prussian Academy of Sciences from 1770.

There were received 5,782 gifts from 805 donors and 2,410 gifts have been entered in the accession books. The figures for 1901 were 5,720, 692, and 1,882 respectively. Many gifts have not yet been entered, but the accumulation is much smaller than a year ago. The figures given above do not include the very large number of bills and resolutions of Congress received as a deposit from the Library of Congress. Attempts have been made to fill out the library's sets of state documents, of agricultural experiment station literature, and of college and university publications. Very kind responses have been made to the appeals.

For the sake of economy, both in preparation and in use, the shelf-list has been changed from sheets to cards. No inventory has been taken this year, but it is known that only three volumes have disappeared from the Reading Room, making a total loss since the opening of the library, so far as known, of 30 volumes. In addition, however, four of the books in the Reading Room have been mutilated by the abstraction of pages or plates. In one way this is almost more serious than the actual taking of the books for it is not so easily discovered. Fortunately no instances have been noticed for some time.

On January 1, 1902, there were at the bindery 445 volumes, and 6,407 were sent during the year; 5,975 were received, leaving 877 at the bindery December 31, 1902. The cost of binding was \$6,881.00, an average of \$1.15 per volume. The cost of lettering and repairs, including also the insertion of book-plates and the cutting and pasting of order-slips, was \$1,398.81.

The cataloguing staff, though it has suffered its full share of the interruptions already referred to, has been able practically to keep up with the accessions. The relief obtained by the purchase of printed catalogue cards from the Library of Congress has been the largest factor in securing this result, though the staff has worked earnestly and has shown by the amount accomplished in the two months when the full force was at work that under normal conditions a steady diminution of the arrears may be looked for. On the other hand, the purchase of the Ely collection will more than double the amount of these arrears.

The Cataloguer reports that 4,372 new titles have been prepared for print, 198 new titles typewritten, 116 old typewritten titles prepared for print, 727 old printed titles recatalogued; 1,805 titles received from the Library of Congress have been classified for our catalogues; 458 titles have been prepared for the co-operative analysis of serials, and 503 such titles, prepared by other libraries, classified for our catalogues. The total number of titles treated by the Cataloguer and Classifier and their assistants is 8,179. The titles reprinted in correction of errors were 203. Cards for 4,586 titles have been received from the printers, and 4,600 electrotypes from the electrotypers. The total number of separate titles prepared for print to date is 34,924; of sets of cards received, 34,591; of electrotypes, 33,832. For the alphabetical subject index 2,254 guides have been printed.

The value of the assistance received from the Library of Congress cards and the novelty of their experiment in co-operative cataloguing seem to justify a detailed statement of the routine adopted for their treatment. All titles on the proof sheets which are within the scope of the library are marked whether they are to be ordered at once, kept for reviews, or filed for future reference. Those to be ordered at once are checked against the official catalogue and included in the next order. Triplicate copies of all orders are made; one of these is sent to the Library of Congress, at its request, and that library sends, usually within two weeks, 21 copies of all titles which have been printed by it. The order sheets give the Library of Congress serial number whenever that is known, but all orders are checked by them, and quite a number of titles are sent for which the serial number was not known. Some time later these sheets are returned with a statement that the Library of Congress has ordered, or intends to order immediately, certain titles and may be able later to supply cards for them. For most of these they are requested, in a second order, to send cards if printed within three months, and if the book has failed to come at the end of that time, the limit is extended for another three months. The individual character of this library is shown by the small proportion of these second orders. In 1902 only 472 were given out of 3,780 titles which the Library of Congress could not supply at once.

It is true that a good proportion of the 3,308 titles remaining were for older books which that library had, but had not yet catalogued; but it is certain that more than one-third and probable that more than one-half were new books which the Library of Congress did not care to purchase. With these second orders are sent the orders by serial numbers for titles of analytical references, gifts, and uncatalogued material received before 1902, which are found either from the proof sheets or the depositary catalogue to have been prepared by that library. These orders are filled at once.

As soon as it is known that cards for a given title are expected from the Library of Congress the order slip is so marked and the book upon its receipt is given precedence in the routine of classification and shelf-listing. If the cards are in the library when the books arrive, as they usually are, they are sent to the printer to receive our shelf-mark and any minor corrections needed. The time required to make these books fully available to the public is thus reduced to a minimum, and is at least a week less than would be possible if the titles were prepared in the library and printed by its printer. This gain, as has been said before, is greatest in the case of the new American publications, the class of books most called for. Even if the cards have not been received when the books come, they are classified and shelf-listed at once and placed in the case for New Books in the Reading Room, and so made at least partially available to the public.

The extent of the assistance thus obtained will be seen from the following detailed statistics. The number of orders given by the library in 1902 was 6,358, triplicates were sent to the Library of Congress as orders for 5,865, and reports have been received from that library on 5,544. There were received 1,764 sets of cards within two weeks, 136 on second orders within three months, and 5 within six months, 656 on other special orders, a total of 2,561. Of this total 36 were sets of additional cards and 13 were canceled and replaced by the Library of Congress, leaving 2,512 titles received and paid for. Call-numbers have been printed on 1,805, 91 will not be used, and 616 are held awaiting the classification or the receipt of the books.

The number of cards which will not be used is not large,

either in itself or in comparison with the number used. Still it is the element of unnecessary expense, and therefore it may be of interest to examine more closely the reasons why these cards cannot be used. Of the 91, 25 were for other editions than the book actually received, though in most cases they were correct for the book ordered, 22 differed too much from our form, 13 were on orders for cards duplicated unintentionally, 11 were for books duplicated unintentionally, 10 were by mistake catalogued by this library after the order for Library of Congress cards had been given, 4 were for books reported unobtainable by our agents, 3 were errors of the Library of Congress not discovered in time for correction, 2 were for pamphlets which it did not seem worth while to classify and bind, and 1 set had the wrong call-number printed on it. As nearly as can be determined, 44 were due to errors of this library, 13 to errors of the Library of Congress, and 34 were unavoidable. The greater part of the errors occurred in the first few months of the work, and checks have been introduced which have lessened their proportion materially.

The determination of the economy secured by the use of these cards is a complicated question. The saving in money is not very great, because so many copies of each title are wanted, and because of the additional expense of preparing electrotypes for those titles which are wanted for the bulletins. The 21 copies of each title bought of the Library of Congress cost 12 cents, or with their call-numbers 15 cents; the 20 copies printed by this library cost 17 cents. Add to this, however, the value of the time required to prepare, revise, and proof-read the title (the other routine operations being practically the same as for titles printed here) and the direct saving may be estimated at 20 cents a title; or assuming 2,500 titles are purchased each year, at \$500 a year.

Much greater than this direct saving, however, is the gain in the efficiency of the library through the prompt delivery of the books to the public, the relief of the cataloguing staff, the possibility of attack on the arrears of work, etc. Still it does not follow that the last word has been said on the subject. It is quite possible that other considerations, such as the establishment of a printing-press in the library, a need of more copies of each title, the demands of bulletin work, too unpleasant varia-

tions in cataloguing form, or in quality of stock, etc., may lead to a decision in favor of a subscription to a single copy of each title and the use of that as copy for our printer. Whatever the final outcome may be, it would be ungrateful not to acknowledge the great value of the assistance already received.

In continuance of the co-operative analysis of serials the library has furnished 458 titles and received cards for 4,443 at a net cost of \$111.60. The receipts include 559 titles from the British Blue Books previously prepared by this library.

During the year 17,600 titles have been filed in the classed catalogue which now contains some 39,200 titles on 81,300 cards, an average of 2.08 cards to a title; 14,900 cards have been filed in the author catalogue, which now contains the same 39,200 titles on 67,100 cards, an average of 1.70 cards to a title; 2,254 guides and 2,900 cards have been filed in the subject index, which now contains 11,300 guides and 2,900 cards. All titles classified or reclassified since November, 1901, some 10,000, are represented in the index if it is intended that they shall be. The average is therefore 0.29 cards per title; entry more than once is rare, so that rather more than every fourth title receives an entry. The distribution of the entries in the classed catalogue is shown in the second table of library statistics. The topographical index, however, is not included in these figures, nor in those just quoted. It contains some 9,000 cards, and there are about 4,700 more to be added to complete it to date. The index, though not yet open to the public, has proved useful in reference work, and at the suggestion of the Reference Librarian has been slightly expanded by a decision to enter all societies under the sub-heading (060) as well as under the sub-heading required by their specific subject; so that under Chicago, for instance, will be found in one place all the societies of the city of which the library has publications.

The library has been honored by an invitation to be represented at the centennial celebration, on December 11/25, of the Imperial University of Jurjeff (Dorpat). It has been represented officially by the Librarian, Assistant Librarian, and Cataloguer and unofficially by two other members of the staff at the annual meeting of the American Library Association at Magnolia, June 14 to 21. It has been represented officially by the

Assistant Librarian and unofficially by three other members of the staff at the annual meeting of the Illinois State Library Association at Quincy, April 29 to May 1, and unofficially by the Librarian at the meeting of the New York State Library Association at Lake Placid, September 22 to 27.

Two serious accidents, a long illness, six absences on account of the death or illness of relatives, two for other reasons, and ten resignations, make a total of interruptions which must cause a serious loss of efficiency in a staff of only thirty-five. It is only just to say that this has been recognized and that all have made earnest efforts to make good the deficiencies as far as possible. Dr. H. W. Millis, Reference Librarian, Mr. C. W. Perley, Classifier, Miss Gunthorp and Mr. Godso, junior assistants, Messrs. George and Robinson, attendants, Edward Ray and Warren Roane, pages, and two temporary appointees, have left the service. From nearly all have faithful services been received, but Dr. Millis and Mr. Perley, for their qualities as well as their positions, are especially great losses to the library.

To fill these vacancies the following appointments have been made: Mr. Charles J. Barr, Reference Librarian; Mr. Charles H. Brown, Classifier; Mr. Frank L. Griffin, formerly attendant, junior assistant; Mr. Joseph Blight, formerly page, attendant; Michael Bauer, Frank Huntscha, and James S. O'Callaghan, pages. There are at present three vacant junior assistantships which should be filled some time during the year. Meanwhile the temporary assistance of Misses May L. Martin, Bess R. Baldwin, Estelle Lutrell, and Ellen G. Smith has been secured.

Respectfully submitted,

CLEMENT W. ANDREWS,  
Librarian.

CHICAGO, January 15, 1903.

LIBRARY STATISTICS: I.  
RECORD OF ATTENDANCE AND USE FOR 1902.

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.	TOTAL 1902	TOTAL 1901	INCREASE PER CT.
Visitors	5,701	5,135	5,838	5,188	5,587	5,007	4,741	4,557	5,627	6,599	6,346	6,186	66,512	54,828	—
Daily Average	211	214	225	200	207	200	176	175	216	244	254	229	213	175	22
Calls for Books from Stack	3,405	3,194	3,667	2,933	2,918	2,329	3,022	2,861	3,283	4,028	3,964	4,002	39,666	32,193	—
Daily Average	126	133	141	113	108	93	112	110	126	149	159	148	127	103	23
Calls for Periodicals from Alcove	967	973	1,109	1,035	1,054	983	1,059	1,005	952	945	1,017	1,151	12,250	9,741	—
Daily Average	36	41	43	40	39	39	39	39	37	35	41	43	39	31	26
Visitors Admitted to Stack	101	78	107	122	123	101	91	107	93	79	70	81	1,167	1,046	12

Smallest attendance, 56 on July 4th. Largest attendance, 350 on October 25th.

COMPARISON BY YEARS.

	1897 9 MOS.	1898	1899	1900	1901	1902
Visitors	18,584	30,516	34,827	41,697	54,828	66,512
Daily Average	80	99	113	134	175	213
Calls for Books from Stack	6,995	15,367	18,890	23,996	32,193	39,666
Daily Average	30	50	61	77	103	127
Calls for Periodicals from Alcove	3,864	7,213	8,013	8,667	9,741	12,250
Daily Average	17	23	26	28	31	39
Visitors Admitted to Stack	339	656	1,017	1,019	1,046	1,167
Volumes in Library	29,141	43,061	55,223	65,645	76,432	89,219

LIBRARY STATISTICS: II.

SUBJECTS	ORDERS			ACCESSIONS			CATALOGUE			PERIODICALS			RECORDED USE		
	1902	Vol.	Est. Cost	1902	Vol.	Est. Cost	1902	No.	No.	1902	No.	Cost	Books	Periodicals	Stack
I.—GENERAL WORKS:															
0 Unclassified	270	\$593 50	1,057	\$2,664 63	42	673	2,158	5		\$ 17 45	907	107	5		
1 Bibliography	318	700 52	2,146	5,385 00	384	2,467	4,999	124		260 54	422	116	30		
2 Library Economy	88	92 37	916	993 00	143	872	1,235	25		28 53	612	52	8		
3 Cyclopedias	31	90 83	939	1,522 63	36	918	1,156	1		2 60	100	39	1		
4 Collected Works of Authors	13	61 87	171	445 90	15	164	1,115				214	---	---		
5 General Periodicals	54	56 07	2,626	3,111 11	341	3,203	3,115	83		313 42	1,402	3,897	8		
6 General Societies	273	593 05	2,757	8,758 25	454	3,205	3,99	73		207 71	785	21	15		
7 Exhibitions and Museums	98	141 17	805	876 42	72	664	706	9		5 31	202	---	---		
8 Special Libraries	190	309 45	542	874 41	190	522	714	11		32 41	73	23	1		
10 Philosophy	150	214 86	670	1,073 55	144	699	952	13		52 58	1,247	87	6		
13, 15 Psychology	15	14 08	89	103 70	16	92	1,118	---		29	---	---	---		
16 Logic	54	140 21	650	1,249 80	48	464	681	---		240	---	3			
20 Philology	298	1,002 04	2,277	5,161 95	395	2,655	3,294	3		2 15	2,021	---	12		
90 History and Geography	63	191 67	531	1,260 33	101	1,172	594	25		78 38	207	57	11		
91 Cartography															
	1,915	\$4,210 69	16,176	\$33,390 77	2,381	17,770	16,436	372		\$ 1,001 08	8,461	4,399	100		
II.—SOCIAL SCIENCES:															
17 Ethics	80	\$ 88 50	283	\$ 301 93	90	314	565	7		\$ 8 08	201	57	—		
20 Religion	106	173 33	191	313 35	83	216	574	1		50	220	---	---		
30 General Works	205	229 81	1,874	1,966 42	210	1,283	1,320	37		89 97	869	170	15		
31 Statistics	112	144 34	1,219	1,374 64	114	1,014	876	25		53 90	200	45	3		
32 Political Science	113	350 77	657	941 17	182	1,082	1,210	3		8 42	292	116	12		
33 Political Economy	495	657 92	3,278	3,589 44	552	3,672	4,909	74		192 50	1,355	549	19		
34 Law	121	350 67	377	995 67	151	605	959	7		20 65	162	---	1		
35 Administration (including Public Documents)	216	250 12	2,374	3,072 25	594	8,187	3,078	33		190 66	546	42	10		
36 Associations and Institutions	134	160 50	748	761 23	163	1,033	1,039	20		47 80	305	80	18		
37 Education	499	351 62	2,021	2,331 23	544	2,942	3,009	66		92 84	1,214	157	14		
38 Commerce and Communication	150	197 08	751	1,335 11	361	1,569	1,175	37		72 72	446	367	27		
39 Customs, Folklore, etc.	47	81 38	311	502 74	46	334	744	6		13 39	476	7	1		
	2,188	\$3,936 04	14,084	\$17,395 18	3,990	22,251	19,456	316		\$791 43	6,286	1,590	120		

Subjects	Orders			Accessions		Periodicals			Recorded Use			
	1902		Total	1902	Total	1902	Cost	No.	Books	Periodicals	Stack	
	Vol.	Est. Cost	Vol.	Est. Cost	No.	Entries	No.	Cost	Books	Periodicals	Stack	
<b>III.—PHYSICAL SCIENCES:</b>												
50 General Works	413	99	2,527	\$5,608	58	179	2,640	26	\$ 3,66	268	22	
51 Mathematics	371	89	1,989	4,677	23	167	1,949	31	110	12	828	
52 Astronomy	476	16	2,189	4,836	00	140	2,104	1,663	27	78	99	
53 Physics	556	47	2,788	5,437	61	394	3,026	3,771	49	173	83	
54 Chemistry and Mineralogy	351	72	3,166	7,005	89	489	3,043	2,838	36	183	70	
	1,207		12,659	\$27,565	31	1,369	12,762	10,569	169	\$630	30	
										6,157	576	
<b>IV.—NATURAL SCIENCES:</b>												
55 Geology	569	20	2,585	\$5,006	31	294	2,695	3,251	48	\$126	95	
56 Palaeontology	237	37	399	1,838	10	147	412	775	5	40	74	
57 Biology and Natural Sciences in General	1,030	15	4,237	14,840	22	638	4,131	3,198	96	330	97	
58 Botany	1,417	68	1,956	7,605	32	402	2,019	2,508	58	240	17	
59 Zoology	3,270	25	4,100	23,000	55	1,013	3,947	5,171	91	665	58	
	1,990	\$ 6,524	95	13,277	\$52,290	50	2,494	13,204	14,903	298	\$1,404	41
										3,694	177	
<b>V.—APPLIED SCIENCES:</b>												
60, 70 General Works	226	29	3,057	\$5,496	48	286	3,469	995	72	\$215	01	
61 Hygiene	462	19	1,274	2,109	17	366	1,764	2,367	53	153	46	
62 Engineering	1,155	74	6,738	11,232	70	877	7,160	5,634	148	461	62	
63 Agriculture	297	90	2,314	2,018	98	467	2,560	1,964	33	64	59	
64 Domestic Economy	94	74	4,08	392	91	97	431	59	6	4	5	
65 Trade and Transportation	644	48	1,721	3,312	79	380	2,264	2,043	44	108	52	
66 Chemical Technology	454	47	1,636	3,726	71	369	1,821	1,815	38	127	18	
67, 68 Manufactures and Trades	352	95	1,122	1,906	18	174	1,286	1,255	30	74	16	
69 Building	78	97	84	703	1,359	51	102	779	959	14	41	85
70 Landscape Gardening	90	238	60	222	52	38	189	264	5	3	85	
72 Architecture	348	52	283	986	54	147	498	607	21	108	19	
73-76 Drawing, Design, etc.	59	152	67	525	1,414	78	64	518	898	7	38	56
77 Photography	84	123	37	480	181	66	86	583	545	28	53	31
	2,666	\$ 4,648	26	20,483	\$34,551	93	3,453	23,232	19,905	499	\$1,454	35
	9,966	20,589	27	76,679	165,193	69	12,787	89,219	81,269	1,654*	5,281	57
										15,008	5,508	
										39,606	12,250	
										1,167	457	

\* 198 by gift.

## LIST OF DONORS.

	Volumes or Pamphlets.
Aberdeen University Library, <i>Aberdeen, Scotland</i> -----	1
Academy of Science of St. Louis, <i>St. Louis, Mo.</i> -----	1
Actuarial Society of America, <i>New York, N. Y.</i> -----	1
Aguilar Free Library Society, <i>New York, N. Y.</i> -----	1
Alabama Medical Association, <i>Montgomery, Ala.</i> -----	1
Alabama Polytechnic Institute, <i>Auburn, Ala.</i> -----	28
Alderson, Victor G., <i>Chicago, Ill.</i> -----	1
Allegheny College, <i>Meadville, Pa.</i> -----	8
Allis-Chalmers Co., <i>Chicago, Ill.</i> -----	2
American, Sadie, <i>Chicago, Ill.</i> -----	1
American Brewers' Review Co., <i>Chicago, Ill.</i> -----	1
American Climatological Association, <i>Philadelphia, Pa.</i> -----	1
American Free Trade League, <i>Boston, Mass.</i> -----	1
American Humane Association, <i>Providence, R. I.</i> -----	1
American Institute of Architects, <i>Washington, D. C.</i> -----	1
American Museum of Natural History, <i>New York, N. Y.</i> -----	2
American Railway Engineering and Maintenance of Way Association, <i>Chicago, Ill.</i> -----	1
American Ramabai Association, <i>Boston, Mass.</i> -----	1
American Ship Windlass Co., <i>Providence, R. I.</i> -----	1
American Society of Civil Engineers, <i>New York, N. Y.</i> -----	2
American Sports Publishing Co., <i>New York, N. Y.</i> -----	1
American Street-Railway Association, <i>Chicago, Ill.</i> -----	2
American Transvaal League, <i>Chicago, Ill.</i> -----	1
Amherst College, <i>Amherst, Mass.</i> -----	1
Andover Theological Seminary, <i>Andover, Mass.</i> -----	1
Andrews, Clement W., <i>Chicago, Ill.</i> -----	7
Armour, George A., <i>Princeton, N. J.</i> -----	1
Armour & Co., <i>Chicago, Ill.</i> -----	1
Armour Institute of Technology, <i>Chicago, Ill.</i> -----	5
Art Metal Construction Co., <i>Jamestown, N. Y.</i> -----	1
Association Parisienne des Propriétaires d'Appareils à Vapeur, <i>Paris, France</i> -----	1
Athenæum, <i>Chicago, Ill.</i> -----	1
Atlanta University, <i>Atlanta, Ga.</i> -----	3
Augustana College and Theological Seminary, <i>Rock Island, Ill.</i> -----	25
Australasian Association for the Advancement of Science, <i>Sydney, Australia</i> -----	1
Baer, Joseph, & Co., <i>Frankfort-on-the-Main, Germany</i> -----	2
Bailliere, Tindall & Cox, <i>London, Eng.</i> -----	1
Baker & Adamson Chemical Co., <i>Easton, Pa.</i> -----	1

## LIST OF DONORS.

31

Volumes or  
Pamphlets.

Balch, Edwin S., <i>Philadelphia, Pa.</i>	2
Balch, Prof. T. Willing, <i>Philadelphia, Pa.</i>	2
Baltimore Chamber of Commerce, <i>Baltimore, Md.</i>	1
Baltimore Charity Organization Society, <i>Baltimore, Md.</i>	1
Bangor & Aroostook Railroad, <i>Bangor, Me.</i>	1
Bankers Encyclopedia Co., <i>Chicago, Ill.</i>	3
Barker, G. W., <i>Chicago, Ill.</i>	10
Barnard, Prof. E. E., <i>Williams Bay, Wis.</i>	6
Barnhart Bros. & Spindler, <i>Chicago, Ill.</i>	3
Barry, P. T., <i>Chicago, Ill.</i>	1
Bay, Dr. J. Christian, <i>Grant, Mich.</i>	1
Bergens Museum, <i>Bergen, Norway</i>	1
Berkshire Athenaeum, <i>Pittsfield, Mass.</i>	1
Berriman, Charles S., <i>New York, N. Y.</i>	1
Bible Normal College, <i>Hartford, Conn.</i>	2
Biblioteca Communale, <i>Ferrara, Italy</i>	7
Biblioteca di Parma, <i>Parma, Italy</i>	1
Biblioteca Publica, <i>La Paz, Bolivia</i>	1
Bibliothèque Publique de Genève, <i>Geneva, Switzerland</i>	1
Bi-chloride of Gold Publishing Co., <i>Chicago, Ill.</i>	4
Binghamton Board of Trade, <i>Binghamton, N. Y.</i>	1
Biological Society of Washington, <i>Washington, D. C.</i>	2
Birmingham Free Libraries, <i>Birmingham, Eng.</i>	2
Blanchard, Rufus, & Co., <i>Chicago, Ill.</i>	2
Bobbink & Atkins, <i>Rutherford, N. Y.</i>	1
Bodleian Library, <i>Oxford, Eng.</i>	1
Bolton, Dr. H. Carrington, <i>Washington, D. C.</i>	1
Bordentown Military Institute, <i>Bordentown, N. J.</i>	4
Boss, Henry R., <i>Chicago, Ill.</i>	11
Boston Athenaeum, <i>Boston, Mass.</i>	9
Boston Book Co., <i>Boston, Mass.</i>	2
Boston Chamber of Commerce, <i>Boston, Mass.</i>	1
Boston Medical Library, <i>Boston, Mass.</i>	2
Boston Museum of Fine Arts, <i>Boston, Mass.</i>	1
Boston Public Library, <i>Boston, Mass.</i>	3
Boston Society of Natural History, <i>Boston, Mass.</i>	1
Boston, Statistics Department, <i>Boston, Mass.</i>	6
Boston Transit Commission, <i>Boston, Mass.</i>	1
Boston University, <i>Boston, Mass.</i>	6
Bowdoin College Library, <i>Brunswick, Me.</i>	3
Brewster, Edward L., & Co., <i>Chicago, Ill.</i>	1
Bridgeport Public Library, <i>Bridgeport, Conn.</i>	1
Brill, J. G., Co., <i>Philadelphia, Pa.</i>	2
British Columbia, Minister of Mines, <i>Victoria, B. C.</i>	4
British Columbia, Bureau of Provincial Information and Immigration, <i>Victoria, B. C.</i>	2
Brockton Public Library, <i>Brockton, Mass.</i>	2
Brooklyn, Commissioner of Public Works, <i>Brooklyn, N. Y.</i>	1
Brooklyn Engineers' Club, <i>Brooklyn, N. Y.</i>	5
Brooklyn Institute of Arts and Sciences, <i>Brooklyn, N. Y.</i>	2

## LIST OF DONORS.

	Volumes or Pamphlets.
Brooklyn Public Library, <i>Brooklyn, N. Y.</i> -----	4
Brotherhood of Locomotive Engineers, <i>Cleveland, O.</i> -----	1
Brown, William, <i>Edinburgh, Scotland</i> -----	1
Brown & Sharp Manufacturing Co., <i>Providence, R. I.</i> -----	1
Brown Hoisting Machinery Co., <i>Pittsburg, Pa.</i> -----	1
Bucyrus Co., <i>Milwaukee, Wis.</i> -----	7
Buffalo, Comptroller, <i>Buffalo, N. Y.</i> -----	1
Buffalo, Department of Health, <i>Buffalo, N. Y.</i> -----	1
Buffalo Public Library, <i>Buffalo, N. Y.</i> -----	1
Buhl Stamping Co., <i>Detroit, Mich.</i> -----	2
Bullard Machine Tool Co., <i>Bridgeport, Conn.</i> -----	3
Bureau of American Republics, <i>Washington, D. C.</i> -----	3
Burlington Free Public Library, <i>Burlington, Ia.</i> -----	1
Bussey Institute, <i>Jamaica Plain, Mass.</i> -----	1
Butterworth, Theodore A., <i>Chicago, Ill.</i> -----	1
Cahn, Wampold & Co., <i>Chicago, Ill.</i> -----	9
California Academy of Sciences, <i>San Francisco, Cal.</i> -----	2
California, Secretary of State, <i>Sacramento, Cal.</i> -----	25
California, State Library, <i>Sacramento, Cal.</i> -----	1
California, State Mining Bureau, <i>San Francisco, Cal.</i> -----	4
Calm, Charles E., <i>Chicago, Ill.</i> -----	2
Cambria Steel Co., <i>Johnstown, Pa.</i> -----	2
Cambridge, Park Commissioners, <i>Cambridge, Mass.</i> -----	1
Cambridge Public Library, <i>Cambridge, Mass.</i> -----	2
Cambridge University Library, <i>Cambridge, Eng.</i> -----	1
Canada, Department of Agriculture, <i>Ottawa, Can.</i> -----	9
Canada, Department of Labour, <i>Ottawa, Can.</i> -----	1
Canada, Geological Survey, <i>Ottawa, Can.</i> -----	2
Canadian Society of Civil Engineers, <i>Montreal, Can.</i> -----	5
Carleton College, <i>Northfield, Minn.</i> -----	15
Carnegie Library, <i>Atlanta, Ga.</i> -----	1
Carnegie Library, <i>Pittsburg, Pa.</i> -----	4
Cedar Rapids Free Public Library, <i>Cedar Rapids, Ia.</i> -----	1
Central Electric Co., <i>Chicago, Ill.</i> -----	1
Central Passenger Association, <i>Chicago, Ill.</i> -----	3
Century Association, <i>New York, N. Y.</i> -----	6
Chamberlin, Paul M., <i>Chicago, Ill.</i> -----	1
Chicago Academy of Sciences, <i>Chicago, Ill.</i> -----	4
Chicago and Alton Railway Co., <i>Chicago, Ill.</i> -----	3
Chicago and North-Western Railway Co., <i>Chicago, Ill.</i> -----	1
Chicago Architectural Club, <i>Chicago, Ill.</i> -----	8
Chicago Bunker Co., <i>Chicago, Ill.</i> -----	3
Chicago Binder Co., <i>Chicago, Ill.</i> -----	3
Chicago, Board of Education, <i>Chicago, Ill.</i> -----	4
Chicago, Board of Trade, <i>Chicago, Ill.</i> -----	2
Chicago, City Council, <i>Chicago, Ill.</i> -----	1
Chicago, Ill., <i>City of</i> -----	2
Chicago Civic Federation, <i>Chicago, Ill.</i> -----	1
Chicago Civil Service Commission, <i>Chicago, Ill.</i> -----	2
Chicago Commons, <i>Chicago, Ill.</i> -----	1

## LIST OF DONORS.

33

Volumes or  
Pamphlets.

Chicago Daily News, <i>Chicago, Ill.</i>	1
Chicago, Department of Health, <i>Chicago, Ill.</i>	7
Chicago, First National Bank, <i>Chicago, Ill.</i>	2
Chicago Law Institute, <i>Chicago, Ill.</i>	2
Chicago Literary Club, <i>Chicago, Ill.</i>	1
Chicago Lying-in Hospital, <i>Chicago, Ill.</i>	1
Chicago Municipal Library and Bureau of Statistics, <i>Chicago, Ill.</i>	4
Chicago Nautical School, <i>Chicago, Ill.</i>	1
Chicago Public Library, <i>Chicago, Ill.</i>	2
Chicago Real Estate Board, <i>Chicago, Ill.</i>	3
Chicago Relief and Aid Society, <i>Chicago, Ill.</i>	1
Chicago School of Assaying, <i>Chicago, Ill.</i>	1
Children's Home and Aid Society, <i>Chicago, Ill.</i>	3
Choctaw, Oklahoma and Gulf Railroad, <i>Little Rock, Ark.</i>	1
Christian, Dr. Sanderson, <i>Chicago, Ill.</i>	1
Church Temperance Society, <i>New York, N. Y.</i>	22
Churchill, Mary G., <i>Chicago, Ill.</i>	1
Cincinnati, Commissioners of Water Works, <i>Cincinnati, O.</i>	2
Cincinnati Milling Machine Co., <i>Cincinnati, O.</i>	2
Cincinnati Public Library, <i>Cincinnati, O.</i>	11
Cincinnati Society of Natural History, <i>Cincinnati, O.</i>	1
Citizens' Association of Chicago, <i>Chicago, Ill.</i>	5
City Library Association, <i>Springfield, Mass.</i>	8
Civic Publishing Co., <i>New York, N. Y.</i>	1
Civil Service Reform Association, <i>New York, N. Y.</i>	4
Claparède, Alexandre, <i>Geneva, Switzerland</i>	1
Cleveland Public Library Board, <i>Cleveland, O.</i>	9
Cobden Club, <i>London, Eng.</i>	16
Cole, George W., <i>New York, N. Y.</i>	2
Colgate University, <i>Hamilton, N. Y.</i>	1
Cologne Stadtbibliothek, <i>Cologne, Germany</i>	1
Colorado School of Mines, <i>Golden, Colo.</i>	4
Colorado State Agricultural College, <i>Fort Collins, Colo.</i>	54
Columbia University, <i>New York, N. Y.</i>	54
Concilium Bibliographicum, <i>Zurich, Switzerland</i>	1
Concord Public Library, <i>Concord, N. H.</i>	1
Connecticut Agricultural Experiment Station, <i>New Haven, Conn.</i>	6
Connecticut, Bureau of Labor Statistics, <i>Hartford, Conn.</i>	1
Connecticut Civil Engineers and Surveyors Association, <i>New London, Conn.</i>	1
Connecticut, State Board of Health, <i>New Haven, Conn.</i>	1
Connecticut, State Library, <i>Hartford, Conn.</i>	13
Conover, William A., <i>Chicago, Ill.</i>	3
Consolidated Lake Superior Co., <i>Philadelphia, Pa.</i>	1
Continental Fire Insurance Co., <i>New York, N. Y.</i>	4
Conwell, Clarke, <i>New Rochelle, N. Y.</i>	7
Cook County Commissioners, <i>Chicago, Ill.</i>	1
Corey, Deloraine P., <i>Malden, Mass.</i>	1
Cormack, Prof. J. D., <i>London, Eng.</i>	4
Cornell University Agricultural Experiment Station, <i>Ithaca, N. Y.</i>	9

## LIST OF DONORS.

	Volumes or Pamphlets.
Cornell University, College of Law, <i>Ithaca, N. Y.</i> -----	5
Cornell University Library, <i>Ithaca, N. Y.</i> -----	8
Crandall, Bruce V., <i>Chicago, Ill.</i> -----	1
Craz & Gerlach'sche Buchhandlung, <i>Freiburg, Saxony</i> -----	1
Crosby Steam Gage and Valve Co., <i>Boston, Mass.</i> -----	1
Cullerton, Edward F., <i>Chicago, Ill.</i> -----	1
Cunningham, Curtiss & Welch, <i>San Francisco, Cal.</i> -----	1
Curtis & Cameron, <i>Boston, Mass.</i> -----	1
Cutter, Charles A., <i>Northampton, Mass.</i> -----	1
Davenport, Prof. C. B., <i>Chicago, Ill.</i> -----	1
Davis, Dr. Nathan S., <i>Chicago, Ill.</i> -----	1
Dayton Public Library and Museum, <i>Dayton, O.</i> -----	1
De Lee, Dr. Joseph B., <i>Chicago, Ill.</i> -----	2
Denham, Alexander & Co., <i>London, Eng.</i> -----	1
Detroit, Mich., <i>City of</i> -----	1
Detroit, Commission of Parks and Boulevards, <i>Detroit, Mich.</i> -----	1
Detroit, Public Library, <i>Detroit, Mich.</i> -----	35
Detroit, Public Lighting Commission, <i>Detroit, Mich.</i> -----	1
Dickinson, Sarah S., <i>Chicago, Ill.</i> -----	1
District of Columbia, Commissioners, <i>Washington, D. C.</i> -----	4
Dodd, Mead & Co., <i>New York, N. Y.</i> -----	1
Dodson, John M., <i>Chicago, Ill.</i> -----	1
Drexel Institute of Art, Science, and Industry, <i>Philadelphia, Pa.</i> -----	1
Dunn, W. P., Co., <i>Chicago, Ill.</i> -----	1
Dyer, Lewis R., <i>Chicago, Ill.</i> -----	2
Eau Claire Public Library, <i>Eau Claire, Wis.</i> -----	1
Ebert, Dr. Albert E., <i>Chicago, Ill.</i> -----	56
Eddy Valve Co., <i>Waterford, N. Y.</i> -----	1
Edgewood Board of Health, <i>Edgewood, Pa.</i> -----	1
Eichhorn, Melker J., <i>Chicago, Ill.</i> -----	2
Elder, Frederick S., <i>Norman, Oklahoma</i> -----	1
Electric Fireproofing Co., <i>New York, N. Y.</i> -----	1
Electric Launch Co., <i>Bayonne City, N. J.</i> -----	3
Electricity Newspaper Co., <i>New York, N. Y.</i> -----	2
Enoch Pratt Free Library, <i>Baltimore, Md.</i> -----	1
Engineering Association of the South, <i>Nashville, Tenn.</i> -----	9
Entomological Society of Ontario, <i>London, Ont.</i> -----	1
Evanston Free Public Library, <i>Evanston, Ill.</i> -----	1
Evanston Historical Society, <i>Evanston, Ill.</i> -----	1
Fairbanks, Morse & Co., <i>Chicago, Ill.</i> -----	2
Fairchild Bros. & Foster, <i>Chicago, Ill.</i> -----	1
Fairmount Park Art Association, <i>Philadelphia, Pa.</i> -----	1
Farquhar, R. J. & Co., <i>Boston, Mass.</i> -----	1
Ferguson, John, <i>Glasgow, Scotland</i> -----	5
Field Columbian Museum, <i>Chicago, Ill.</i> -----	14
Fink, Louis & Son, <i>Philadelphia, Pa.</i> -----	2
Fisher, E. W., Co., <i>Cleveland, O.</i> -----	4
Fletcher Free Library, <i>Burlington, Vt.</i> -----	1
Fletcher Memorial Library, <i>Ludlow, Vt.</i> -----	1
Flint & Walling Manufacturing Co., <i>Kendallsville, Ind.</i> -----	1

## LIST OF DONORS.

35

Volumes or  
Pamphlets.

Florida, Department of Agriculture, <i>Tallahassee, Fla.</i> .....	3
Florida, State Agriculture College, <i>Lake City, Fla.</i> .....	53
Fock, Gustav, <i>Leipzig, Germany</i> .....	1
Forbes, Prof., W. S. A., <i>Urbana, Ill.</i> .....	1
Forbes Library, <i>Northampton, Mass.</i> .....	1
Forstall, Gertrude, <i>Chicago, Ill.</i> .....	4
Forstall, James, <i>Chicago, Ill.</i> .....	2
Fort Wayne Electric Works, <i>Fort Wayne, Ind.</i> .....	23
Frankfurt-am-Main Stadtbibliothek, <i>Frankfort-on-the-Main, Germany</i> .....	2
Franklin and Marshall College, <i>Lancaster, Pa.</i> .....	2
Freiherrlich Carl von Rothchild'sche Oeffentliche Bibliothek, <i>Frankfort-on-the-Main, Germany</i> .....	1
Friedlander, R. & Co., <i>Chicago, Ill.</i> .....	4
Fuller, George, <i>Chicago, Ill.</i> .....	1
Gauthier Villars et Fils, <i>Paris, France</i> .....	3
General Electric Co., <i>Schenectady, N. Y.</i> .....	48
General Federation of Women's Clubs, <i>Detroit, Mich.</i> .....	1
General Society of Mechanics and Tradesmen of New York, <i>New York, N. Y.</i> .....	1
Georgetown University, <i>Washington, D. C.</i> .....	2
Georgia Agricultural Experiment Station, <i>Experiment, Ga.</i> .....	16
Georgia Geological Survey, <i>Atlanta, Ga.</i> .....	4
Gettysburg National Park, <i>Gettysburg, Pa.</i> .....	1
Glasgow Public Libraries, <i>Glasgow, Scotland</i> .....	1
Gloucester Public Library, <i>Gloucester, Eng.</i> .....	1
Goodwin, Prof. Harry M., <i>Boston, Mass.</i> .....	1
Goodyear, Samuel H., <i>Cedar Rapids, Ia.</i> .....	1
Gookin, Frederick W., <i>Chicago, Ill.</i> .....	1
Gorham Manufacturing Co., <i>New York, N. Y.</i> .....	1
Götesborgs Stadsbibliothek, <i>Gothenburg, Sweden</i> .....	1
Gould Storage Battery Co., <i>New York, N. Y.</i> .....	1
Grand Union Tea Co., <i>Chicago, Ill.</i> .....	1
Gray, Mrs. Maggie M., <i>Chicago, Ill.</i> .....	20
Green Engineering Co., <i>Chicago, Ill.</i> .....	1
Greenville College, <i>Greenville, Ill.</i> .....	3
Griffing Iron Co., <i>New York, N. Y.</i> .....	1
Grosvenor Library, <i>Buffalo, N. Y.</i> .....	1
Groton Public Library, <i>Groton, Mass.</i> .....	1
Gunthorp-Warren Printing Co., <i>Chicago, Ill.</i> .....	1
Hale, George W., <i>Deadwood, South Dakota</i> .....	1
Hall Signal Co., <i>Chicago, Ill.</i> .....	2
Hamilton, C. W., <i>Chicago, Ill.</i> .....	1
Hamor, W. G., <i>Altoona, Pa.</i> .....	1
Hancock, Joseph L., <i>Chicago, Ill.</i> .....	1
Hart, Hasting H., <i>Chicago, Ill.</i> .....	2
Hart, Thomas N., <i>Boston, Mass.</i> .....	3
Hartford Life Insurance Co., <i>Hartford, Conn.</i> .....	2
Hartford Public Library, <i>Hartford, Conn.</i> .....	1
Hartford Theological Seminary, <i>Hartford, Conn.</i> .....	1

## LIST OF DONORS.

	Volumes or Pamphlets.
Harvard University, <i>Cambridge, Mass.</i> -----	6
Harvard University, Astronomical Observatory, <i>Cambridge, Mass.</i> -----	6
Harvard University, Museum of Comparative Zoölogy, <i>Cambridge, Mass.</i> -----	10
Harvard University, Peabody Museum, <i>Cambridge, Mass.</i> -----	1
Hassler, Harriot E., <i>Portland, Ore.</i> -----	1
Haupt, Herman, <i>Philadelphia, Pa.</i> -----	1
Haverford College, <i>Haverford, Pa.</i> -----	22
Haverhill Public Library, <i>Haverhill, Mass.</i> -----	1
Hawley, Mary E., <i>Chicago, Ill.</i> -----	13
Hazlitt, George K., & Co., <i>Chicago, Ill.</i> -----	1
Heath, Herbert M., <i>Augusta, Me.</i> -----	1
Heeman, Edward G., <i>Chicago, Ill.</i> -----	4
Helena Public Library, <i>Helena, Mont.</i> -----	1
Hercules Gas Engine Works, <i>San Francisco, Cal.</i> -----	3
Hewins, Caroline M., <i>Hartford, Conn.</i> -----	1
Hill Clutch Co., <i>Cleveland, O.</i> -----	1
Hill School, <i>Pottstown, Pa.</i> -----	1
Hoar, Hon. George F., <i>Washington, D. C.</i> -----	1
Hobbs, William C., <i>Whitman, Mass.</i> -----	1
Hollister Bros., <i>Chicago, Ill.</i> -----	2
Holls, Frederick W., <i>Yonkers, N. Y.</i> -----	1
Horton, Dr. Horace E., <i>Waukegan, Ill.</i> -----	140
Howard, Bartels & Co., <i>Chicago, Ill.</i> -----	1
Howard Memorial Library, <i>New Orleans, La.</i> -----	27
Hussey, J. V., <i>Chicago, Ill.</i> -----	1
Illinois, Auditor of Public Accounts, <i>Springfield, Ill.</i> -----	11
Illinois, Board of Public Charities, <i>Springfield, Ill.</i> -----	2
Illinois, Bureau of Labor Statistics, <i>Springfield, Ill.</i> -----	2
Illinois, Canal Commissioners, <i>Lockport, Ill.</i> -----	13
Illinois, Charitable Eye and Ear Infirmary, <i>Chicago, Ill.</i> -----	1
Illinois Coal Operators Association, <i>Chicago, Ill.</i> -----	3
Illinois Factory Inspector, <i>Chicago, Ill.</i> -----	2
Illinois, Insurance Superintendent, <i>Springfield, Ill.</i> -----	50
Illinois Masonic Home for the Aged, <i>Chicago, Ill.</i> -----	1
Illinois, Railroad and Warehouse Commissioners, <i>Springfield, Ill.</i> -----	2
Illinois, Secretary of State, <i>Springfield, Ill.</i> -----	89
Illinois Society of Engineers and Surveyors, <i>Champaign, Ill.</i> -----	1
Illinois, State Board of Arbitration, <i>Springfield, Ill.</i> -----	6
Illinois, State Board of Equalization, <i>Springfield, Ill.</i> -----	12
Illinois, State Board of Live Stock Commissioners, <i>Springfield, Ill.</i> -----	5
Illinois, State Board of Pharmacy, <i>Springfield, Ill.</i> -----	2
Illinois, State Dental Society, <i>Chicago, Ill.</i> -----	1
Illinois, State Fish Commission, <i>Quincy, Ill.</i> -----	6
Illinois, State Historical Library, <i>Springfield, Ill.</i> -----	2
Illinois, State Laboratory of Natural History, <i>Urbana, Ill.</i> -----	4
Illinois, State Reformatory, <i>Pontiac, Ill.</i> -----	1
Illinois, State Weather Bureau, <i>Springfield, Ill.</i> -----	2
Illinois, Superintendent of Public Instruction, <i>Springfield, Ill.</i> -----	13
Imperial Agricultural College, <i>Hokkaido, Japan</i> -----	1

## LIST OF DONORS.

37

Volumes or  
Pamphlets.

Imperial Library, <i>Tokio, Japan</i> .....	2
Indian Territory Publishing Co., <i>Muskogee, Indian Territory</i> .....	1
Indiana, Board of State Charities, <i>Indianapolis, Ind.</i> .....	2
Indiana, Public Library Commission, <i>Indianapolis, Ind.</i> .....	1
Indiana, State Board of Health, <i>Indianapolis, Ind.</i> .....	1
Indiana, State Library, <i>Indianapolis, Ind.</i> .....	38
Indiana University, <i>Bloomington, Ind.</i> .....	1
Ingersoll Milling Machine Co., <i>Rockford, Ill.</i> .....	1
Ingoldsby, Frank S., <i>St. Louis, Mo.</i> .....	1
Institut International de Bibliographie, <i>Brussels, Belgium</i> .....	31
Institution of Civil Engineers, <i>London, Eng.</i> .....	3
Instituto Geológico de México, <i>Mexico City, Mexico</i> .....	6
International Dash and Fender Machine Co., <i>New York, N. Y.</i> .....	1
International Paper Co., <i>New York, N. Y.</i> .....	1
International Textbook Co., <i>Scranton, Pa.</i> .....	28
Interstate School of Correspondence, <i>Chicago, Ill.</i> .....	3
Iowa Academy of Science, <i>Des Moines, Ia.</i> .....	1
Iowa Agricultural Experiment Station, <i>Ames, Ia.</i> .....	19
Iowa Geological Survey, <i>Des Moines, Ia.</i> .....	2
Iowa Masonic Library, <i>Cedar Rapids, Ia.</i> .....	1
Iowa, Railroad Commission, <i>Des Moines, Ia.</i> .....	1
Iowa, State Board of Health, <i>Des Moines, Ia.</i> .....	2
Iowa, State Library, <i>Des Moines, Ia.</i> .....	2
Iowa, State Mine Inspector, <i>Des Moines, Ia.</i> .....	2
Iowa, State Normal School, <i>Cedar Falls, Ia.</i> .....	7
James Blackstone Memorial Library, <i>Branford, Conn.</i> .....	1
Jeffrey Manufacturing Co., <i>Columbus, O.</i> .....	6
Jennings, Abraham G., <i>Brooklyn, N. Y.</i> .....	1
Jersey City Free Public Library, <i>Jersey City, N. J.</i> .....	2
Jewelers' Circular, <i>New York, N. Y.</i> .....	1
Jewell Belting Co., <i>Chicago, Ill.</i> .....	1
Johns Hopkins University, <i>Baltimore, Md.</i> .....	29
Johnston, Edwin S., <i>Philadelphia, Pa.</i> .....	1
Jones & Laughlins, <i>Chicago, Ill.</i> .....	1
Josephson, Aksel G. S., <i>Chicago, Ill.</i> .....	5
Kaehler, Max, & Martini, <i>Berlin, Germany</i> .....	1
Kansas Academy of Science, <i>Topeka, Kan.</i> .....	3
Kansas, Board of Agriculture, <i>Topeka, Kan.</i> .....	6
Kansas City Public Library, <i>Kansas City, Kan.</i> .....	1
Kansas, State Agriculture College, Experiment Station, <i>Manhattan, Kan.</i> .....	17
Kansas, State Horticultural Society, <i>Topeka, Kan.</i> .....	2
Kansas University, <i>Lawrence, Kan.</i> .....	21
Kentucky Agricultural Experiment Station, <i>Lexington, Ky.</i> .....	77
Kentucky, Climate and Crop Service, <i>Louisville, Ky.</i> .....	5
Kentucky, Commissioner of Agriculture, Labor and Statistics, <i>Lexington, Ky.</i> .....	1
Kentucky, State Board of Health, <i>Bowling Green, Ky.</i> .....	2
Kentucky, State Weather Bureau, <i>Louisville, Ky.</i> .....	2
Kerr, Charles H., & Co., <i>Chicago, Ill.</i> .....	5

## LIST OF DONORS.

	Volumes or Pamphlets.
Kimball, Duran, <i>Chicago, Ill.</i> -----	1
King, W. L. Mackenzie, <i>Ottawa, Can.</i> -----	1
Knapp, George B., <i>Boston, Mass.</i> -----	1
Kongliga Universitets-Biblioteket i Upsala, <i>Upsala, Sweden</i> -----	4
Königliche Albertus-Universität, <i>Königsberg, Germany</i> -----	2
Königliche Universitäts-Bibliothek, <i>Kiel, Germany</i> -----	1
Königliche Universitäts-Bibliothek, <i>Marburg, Germany</i> -----	2
Königliche Universitäts- und Landes-Bibliothek, <i>Strassburg, Germany</i> -----	19
Koninklijke Akademie van Wetenschappen te Amsterdam, <i>Amsterdam, Holland</i> -----	17
Kny-Scheerer Co., <i>New York, N. Y.</i> -----	1
Lafayette College, <i>Easton, Pa.</i> -----	13
Lake Superior Mining Institute, <i>Ishpeming, Mich.</i> -----	1
Lands Plantentuin, <i>Buitenzorg, Java</i> -----	18
Langley, H., <i>Los Angeles, Cal.</i> -----	2
Lathbury & Spackman, <i>Philadelphia, Pa.</i> -----	1
Lawrence Free Public Library, <i>Lawrence, Mass.</i> -----	1
Lawson, Thomas W., <i>Boston, Mass.</i> -----	1
League of American Municipalities, <i>Des Moines, Ia.</i> -----	3
Leeds Free Public Libraries, <i>Leeds, Eng.</i> -----	1
Leffingwell, Dr. Albert, <i>Providence, R. I.</i> -----	3
Leland Stanford Junior University, <i>Stanford University, Cal.</i> -----	4
Lemcke & Buechner, <i>New York, N. Y.</i> -----	15
Lewis Institute, <i>Chicago, Ill.</i> -----	1
Library Company of Philadelphia, <i>Philadelphia, Pa.</i> -----	2
Library of Congress, <i>Washington, D. C.</i> -----	38
Lieberthal, Dr. David, <i>Chicago, Ill.</i> -----	6
Light Publishing Co., <i>New York, N. Y.</i> -----	1
Lincoln, Hon. Robert T., <i>Chicago, Ill.</i> -----	51
Liverpool Committee of the Public Libraries, Museums, and Art Gallery, <i>Liverpool, Eng.</i> -----	2
Lloyd Brothers, <i>Cincinnati, O.</i> -----	6
Long-Arm System Co., <i>Cleveland, O.</i> -----	1
Longmans, Green & Co., <i>New York, N. Y.</i> -----	1
Los Angeles Chamber of Commerce, <i>Los Angeles, Cal.</i> -----	2
Los Angeles Public Library, <i>Los Angeles, Cal.</i> -----	2
Louisiana, Climate and Crop Service, <i>New Orleans, La.</i> -----	6
Louisiana Purchase Exposition Co., <i>St. Louis, Mo.</i> -----	1
Louisiana, State Board of Health, <i>New Orleans, La.</i> -----	1
Louisiana, State Weather Bureau, <i>New Orleans, La.</i> -----	1
Louisiana, Sugar Experiment Station, <i>Auburn Park, La.</i> -----	2
Lowdermilk, W. H., & Co., <i>Washington, D. C.</i> -----	2
Lukens Iron & Steel Co., <i>Coatsville, Pa.</i> -----	1
Lynn Public Library, <i>Lynn, Mass.</i> -----	1
McAlpine, J. D., <i>Cleveland, O.</i> -----	1
McClurg, A. C., & Co., <i>Chicago, Ill.</i> -----	12
McConway & Torley Co., <i>Pittsburg, Pa.</i> -----	1
McGill University, <i>Montreal, Can.</i> -----	4
MacFarlane, Alexander, <i>Chatham, Ont.</i> -----	2

## LIST OF DONORS.

39

Volumes or  
Pamphlets.

Madison, Board of Water Commissioners, <i>Madison, Wis.</i> -----	1
Mahin's Magazine, <i>Chicago, Ill.</i> -----	1
Maine Agricultural Experiment Station, <i>Orono, Me.</i> -----	84
Maine, Bureau of Industrial and Labor Statistics, <i>Augusta, Me.</i> -----	1
Maine, Department of Agriculture, <i>Augusta, Me.</i> -----	7
Maine Library Commission, <i>Augusta, Me.</i> -----	1
Maine, State Library, <i>Augusta, Me.</i> -----	20
Major, Thomas A., <i>Chicago, Ill.</i> -----	1
Mann, Hon. James R., <i>Washington, D. C.</i> -----	3
Marion Steam Shovel Co., <i>Marion, O.</i> -----	1
Marsh, Aitken, & Curtis Co., <i>Chicago, Ill.</i> -----	1
Martin, Fred W., <i>Waukegan, Ill.</i> -----	1
Maryland Agricultural Experiment Station, <i>College Park, Md.</i> -----	47
Maryland Geological Survey, <i>Baltimore, Md.</i> -----	1
Maryland, State Library, <i>Annapolis, Md.</i> -----	4
Mason, Hon. William E., <i>Washington, D. C.</i> -----	1
Massachusetts Agricultural College, Hatch Experiment Station, <i>Amherst, Mass.</i> -----	11
Massachusetts Association of Working Women's Clubs, <i>Brook- line, Mass.</i> -----	3
Massachusetts, Board of Commissioners of Savings Banks, <i>Bos- ton, Mass.</i> -----	2
Massachusetts, Board of Gas and Electric Light Commissioners, <i>Boston, Mass.</i> -----	1
Massachusetts, Bureau of Statistics of Labor, <i>Boston, Mass.</i> -----	2
Massachusetts General Hospital, <i>Boston, Mass.</i> -----	1
Massachusetts Horticultural Society, <i>Boston, Mass.</i> -----	4
Massachusetts Institute of Technology, <i>Boston, Mass.</i> -----	5
Massachusetts, Metropolitan Park Commissioner, <i>Boston, Mass.</i> -----	1
Massachusetts, State Board of Agriculture, <i>Boston, Mass.</i> -----	1
Massachusetts, State Library, <i>Boston, Mass.</i> -----	*610
Massey Business College, <i>Columbus, Ga.</i> -----	1
Melbourne Public Library, <i>Melbourne, Australia</i> -----	1
Mercantile Library of New York, <i>New York, N. Y.</i> -----	2
Merchants' Association of New York, <i>New York, N. Y.</i> -----	2
Merchants' Association, <i>San Francisco, Cal.</i> -----	1
Meteorologiska Observatorium, <i>Upsala, Sweden</i> -----	1
Metropolitan Engraving, Lithographing, and Printing Co., <i>Phila- delphia, Pa.</i> -----	1
Metropolitan Water and Sewerage Board, <i>Boston, Mass.</i> -----	8
Mettler, Dr. L. Harrison, <i>Chicago, Ill.</i> -----	5
Mexico, Secretaria de Fomento, Colonización e Industria, <i>City of Mexico, Mexico</i> -----	27
Meyer, Dr. Adolph B., <i>Dresden, Germany</i> -----	3
Michigan, Bureau of Labor and Industrial Statistics, <i>Lansing, Mich.</i> -----	1
Michigan Central Railroad, <i>Chicago, Ill.</i> -----	3
Michigan, Department of State, <i>Lansing, Mich.</i> -----	2

\* Estimated.

## LIST OF DONORS.

	Volumes or Pamphlets.
Michigan, State Board of Health, <i>Lansing, Mich.</i> -----	1
Middlesex School, <i>Concord, Mass.</i> -----	2
Millis, Harry A., <i>Fayetteville, Ark.</i> -----	7
Milne, Peter, <i>New York, N. Y.</i> -----	1
Milwaukee Public Library, <i>Milwaukee, Wis.</i> -----	1
Minneapolis, Board of Park Commissioners, <i>Minneapolis, Minn.</i> -----	1
Minneapolis Public Library, <i>Minneapolis, Minn.</i> -----	4
Minnesota Geological and Natural History Survey, <i>Minneapolis, Minn.</i> -----	1
Minnesota, State Board of Health, <i>St. Paul, Minn.</i> -----	14
Missouri Botanical Garden, <i>St. Louis, Mo.</i> -----	1
Missouri, Bureau of Geology and Mines, <i>Rolla, Mo.</i> -----	1
Missouri, State Board of Agriculture, <i>Columbia, Mo.</i> -----	2
Missouri, State Horticultural Society, <i>Kansas City, Mo.</i> -----	24
Montana, Agricultural Experiment Station, <i>Bozeman, Mont.</i> -----	24
Moos, Joseph B., <i>Chicago, Ill.</i> -----	1
Morang, George N., & Co., <i>Toronto, Can.</i> -----	2
Morison, George S., <i>New York, N. Y.</i> -----	3
Morten & Co., <i>New York, N. Y.</i> -----	1
Mortimer Museum of Archæology and Geology, <i>Driffield, Eng.</i> -----	3
Moses, Adolph, <i>Chicago, Ill.</i> -----	1
Moulton, Dr. Forest R., <i>Chicago, Ill.</i> -----	2
Mourlon, Michel, <i>Chicago, Ill.</i> -----	1
Mowry, Duane, <i>Milwaukee, Wis.</i> -----	1
Muller, Frederick & Co., <i>Amsterdam, Holland</i> -----	5
Mullinx, L. E., <i>Frederick, Md.</i> -----	1
Munroe, James P., <i>Lexington, Mass.</i> -----	1
National Bank of North America, <i>New York, N. Y.</i> -----	1
National Dental Association, <i>Chicago, Ill.</i> -----	1
National Educational Association-----	3
National Electric Light Association, <i>New York, N. Y.</i> -----	11
National League for the Protection of the Family, <i>Auburndale, Mass.</i> -----	1
National Municipal League, <i>Philadelphia, Pa.</i> -----	1
Naylor, Charles W., <i>Chicago, Ill.</i> -----	1
Nevada Agricultural Experiment Station, <i>Reno, Nev.</i> -----	53
Nevada State Weather Service, <i>Carson City, Nev.</i> -----	2
New Bedford Free Public Library, <i>New Bedford, Mass.</i> -----	2
New England Cotton Manufacturers Association, <i>Boston, Mass.</i> -----	1
New Hampshire, College of Agriculture and Mechanic Arts, <i>Durham, N. H.</i> -----	19
New Hampshire, State Library, <i>Concord, N. H.</i> -----	2
New Haven Free Public Library, <i>New Haven, Conn.</i> -----	1
New Jersey Agricultural Experiment Station, <i>New Brunswick, N. J.</i> -----	83
New Jersey, Geological Survey, <i>Trenton, N. J.</i> -----	2
New Jersey, State Board of Assessors, <i>Trenton, N. J.</i> -----	1
New Jersey, State Board of Health, <i>Trenton, N. J.</i> -----	1
New Jersey, State Library, <i>Trenton, N. J.</i> -----	2

## LIST OF DONORS.

41

Volumes or  
Pamphlets.

New Mexico, Agricultural Experiment Station, <i>Mesilla Park, N. M.</i> .....	20
New York, Adjutant General, <i>Albany, N. Y.</i> .....	19
New York Agricultural Experiment Station, <i>Geneva, N. Y.</i> .....	54
New York Association for Improving the Condition of the Poor, <i>New York, N. Y.</i> .....	6
New York, Board of Fire Underwriters, Committee on Fire Control, <i>New York, N. Y.</i> .....	1
New York Botanical Garden, <i>New York, N. Y.</i> .....	10
New York Central and Hudson River Railroad, <i>New York, N. Y.</i> .....	9
New York, Chamber of Commerce, <i>New York, N. Y.</i> .....	1
New York, Department of Education, <i>New York, N. Y.</i> .....	2
New York Juvenile Asylum, <i>New York, N. Y.</i> .....	1
New York Kindergarten Association, <i>New York, N. Y.</i> .....	1
New York, New Haven, and Hartford Railroad Co., <i>New Haven, Conn.</i> .....	2
New York Public Library, Astor, Lenox, and Tilden Foundations, <i>New York, N. Y.</i> .....	2
New York, Secretary of State, <i>Albany, N. Y.</i> .....	5
New York Society Library, <i>New York, N. Y.</i> .....	2
New York Southern Society, <i>New York, N. Y.</i> .....	1
New York, State Library, <i>Albany, N. Y.</i> .....	53
New York, State Museum, <i>Albany, N. Y.</i> .....	4
New York University, <i>New York, N. Y.</i> .....	5
Newark Free Public Library, <i>Newark, N. J.</i> .....	3
Newberry Library, <i>Chicago, Ill.</i> .....	1
Newburgh, Board of Education, <i>Newburgh, N. Y.</i> .....	1
Niagara Falls Public Library, <i>Niagara Falls, N. Y.</i> .....	1
Niles Tool Works Co., <i>Hamilton, O.</i> .....	3
North Adams Public Library, <i>North Adams, Mass.</i> .....	1
North Carolina, Board of Agriculture, <i>Raleigh, N. C.</i> .....	8
North Carolina, State Horticultural Society, <i>Southern Pines, N. C.</i> .....	7
North Dakota Agricultural Experiment Station, <i>Agricultural College, N. D.</i> .....	29
Northern Pacific Railway Co., <i>St. Paul, Minn.</i> .....	1
Northwest Railway Club, <i>St. Paul, Minn.</i> .....	1
Northwestern Electrical Association, <i>Milwaukee, Wis.</i> .....	1
Northwestern Military Academy, <i>Highland Park, Ill.</i> .....	2
Northwestern University, <i>Evanston, Ill.</i> .....	*302
Nova Scotia, Commissioner of Public Works and Mines, <i>Halifax, N.S.</i> .....	7
Oakland Free Public Library, <i>Oakland, Cal.</i> .....	1
Oberlin College, <i>Oberlin, O.</i> .....	2
Observatoire Météorologique de l'Université Royale, <i>Upsala, Sweden</i> .....	1
Observatoire Royale de Belgique, <i>Belgium, Brussels</i> .....	12
Observatorio Astronomico de Lisboa, <i>Lisbon, Portugal</i> .....	6
Observatorio Astronomico Nacional de Tacubaya, <i>Tacubaya, Mexico</i> .....	2

\*Estimated.

## LIST OF DONORS.

	Volumes or Pamphlets.
Ohio, State Board of Agriculture, <i>Columbus, O.</i> -----	5
Ohio, State Board of Health, <i>Columbus, O.</i> -----	11
Ohio, State University, <i>Columbus, O.</i> -----	15
Ohio, State Weather Bureau, <i>Columbus, O.</i> -----	3
Omaha Public Library, <i>Omaha, Neb.</i> -----	1
Ontario, Department of Agriculture, <i>Toronto, Can.</i> -----	25
Ontario, Department of Crown Lands, <i>Toronto, Can.</i> -----	1
Ontario, Department of Education, <i>Toronto, Can.</i> -----	2
Ontario, Department of Insurance, <i>Toronto, Can.</i> -----	2
Open Court Publishing Co., <i>Chicago, Ill.</i> -----	1
Osborn, George A., <i>New Brunswick, N. J.</i> -----	1
Osborn Engineering Co., <i>Cleveland, O.</i> -----	4
Pan-American Exposition, <i>Buffalo, N. Y.</i> -----	200
Paris, Chamber of Commerce, <i>Paris, France</i> -----	10
Parke, Davis & Co., <i>Detroit, Mich.</i> -----	1
Parker, H. W., <i>New York, N. Y.</i> -----	1
Patriotic Society, <i>New York, N. Y.</i> -----	1
Patterson, N. L., <i>Chicago, Ill.</i> -----	7
Payne, E. L., <i>Emporia, Kan.</i> -----	1
Peabody Coal Co., <i>Chicago, Ill.</i> -----	2
Peabody Institute, <i>Baltimore, Md.</i> -----	1
Pedley, Frank, <i>Ottawa, Can.</i> -----	2
Peirce & Fisher, <i>Chicago, Ill.</i> -----	27
Penn Metal Ceiling & Roofing Co., <i>Philadelphia, Pa.</i> -----	1
Pennsylvania Railroad Co., <i>Philadelphia, Pa.</i> -----	1
Pennsylvania Society for the Prevention of Tuberculosis, <i>Philadelphia, Pa.</i> -----	1
Pennsylvania, State Board of Health, <i>Harrisburg, Pa.</i> -----	2
Pennsylvania Steel Co., <i>Chicago, Ill.</i> -----	1
Philadelphia, Bureau of Surveys, <i>Philadelphia, Pa.</i> -----	1
Philadelphia Commercial Museum, <i>Philadelphia, Pa.</i> -----	10
Philadelphia, Department of the Mayor, <i>Philadelphia, Pa.</i> -----	3
Philadelphia, Electrical Bureau, <i>Philadelphia, Pa.</i> -----	1
Philadelphia Free Library, <i>Philadelphia, Pa.</i> -----	1
Phillips, Isaacs N., <i>Bloomington, Ill.</i> -----	1
Phillips Academy, <i>Andover, Mass.</i> -----	1
Philosophical Society of Washington, <i>Washington, D. C.</i> -----	2
Pickering, Edward C., <i>Cambridge, Mass.</i> -----	1
Pond, Allen B., <i>Chicago, Ill.</i> -----	6
Porter, Dr. W. D., <i>Boston, Mass.</i> -----	1
Prager, R. L., <i>Berlin, Germany</i> -----	4
Pratt Institute Free Library, <i>Brooklyn, N. Y.</i> -----	1
Princeton University, <i>Princeton, N. J.</i> -----	1
Providence Public Library, <i>Providence, R. I.</i> -----	3
Psychological Review, <i>New York, N. Y.</i> -----	1
Public Rumiantzoff Museum, <i>Moscow, Russia</i> -----	1
Public School Library, <i>Columbus, O.</i> -----	1
Purdue Society of Civil Engineers, <i>Lafayette, Ind.</i> -----	1
Pushman Brothers, <i>Chicago, Ill.</i> -----	1
Putman, Frederick W., <i>Cambridge, Mass.</i> -----	2

## LIST OF DONORS.

43

Volumes or  
Pamphlets.

Quaritch, Bernard, <i>London, Eng.</i> -----	10
Razall, H. G., <i>Manufacturing Co., Milwaukee, Wis.</i> -----	1
Reform Club, <i>New York, N. Y.</i> -----	1
Reynolds Library, <i>Rochester, N. Y.</i> -----	1
Rice, William H., <i>Evanston, Ill.</i> -----	8
Ripon College, <i>Ripon, Wis.</i> -----	1
Robbins, Reginald C., <i>Boston, Mass.</i> -----	1
Rogers, Peet & Co., <i>New York, N. Y.</i> -----	2
Roper, Eleanor, <i>Chicago, Ill.</i> -----	1
Royal Society of Canada, <i>Ottawa, Can.</i> -----	1
Rutgers College, <i>New Brunswick, N. J.</i> -----	1
Ryerson, Joseph T., <i>Chicago, Ill.</i> -----	1
St. Ignatius College, <i>San Francisco, Cal.</i> -----	1
St. John's College, <i>Fordham, N. Y.</i> -----	17
St. Joseph Free Public Library, <i>St. Joseph, Mo.</i> -----	1
St. Louis Mercantile Library Association, <i>St. Louis, Mo.</i> -----	5
St. Louis Public Library, <i>St. Louis, Mo.</i> -----	11
St. Louis University, <i>St. Louis, Mo.</i> -----	13
Salem Public Library, <i>Salem, Mass.</i> -----	2
San Francisco Free Public Library, <i>San Francisco, Cal.</i> -----	6
San Francisco Mechanics' Institute, <i>San Francisco, Cal.</i> -----	1
Schneider, Albert, <i>Chicago, Ill.</i> -----	1
Scranton Public Library, <i>Scranton, Pa.</i> -----	1
Sedgwick, Frederick J., <i>Oak Park, Ill.</i> -----	37
Sharon Biological Observatory, <i>Sharon, Mass.</i> -----	1
Shepard, Henry O., Co., <i>Chicago, Ill.</i> -----	1
Shoe & Leather Reporter, <i>Chicago, Ill.</i> -----	1
Sikes, George E., <i>Chicago, Ill.</i> -----	2
Silas Bronson Library, <i>Waterbury, Conn.</i> -----	1
Simmons College, <i>Boston, Mass.</i> -----	2
Simmons Hardware Co., <i>St. Louis, Mo.</i> -----	1
Simons, A. M., <i>Chicago, Ill.</i> -----	24
Simpson, W. E., <i>New York, N. Y.</i> -----	1
Skinner, John F., <i>Rochester, N. Y.</i> -----	1
Smithsonian Institution, <i>Washington, D. C.</i> -----	16
Sociedad Cientifica "Antonio Alzate," <i>City of Mexico, Mexico</i> -----	4
Société Chimique de Paris, <i>Paris, France</i> -----	1
Société d'Économie Politique, <i>Paris, France</i> -----	1
Société Internationale de la Photographie des Couleurs, <i>Paris, France</i> -----	1
Society of Chemical Industry, <i>New York, N. Y.</i> -----	1
Somers, Fitler Todd Co., <i>Pittsburg, Pa.</i> -----	1
Somerville Public Library, <i>Somerville, Mass.</i> -----	2
Sotheran, Henry, & Co., <i>London, Eng.</i> -----	4
South Carolina, State Board of Health, <i>Columbia, S. C.</i> -----	1
South Dakota, State School of Mines, <i>Rapid City, S. D.</i> -----	3
South Dakota University, <i>Vermillon, S. D.</i> -----	1
South Side Lumber Co., <i>Chicago, Ill.</i> -----	1
Southern and Southwestern Railway Club, <i>Atlanta, Ga.</i> -----	1
Spencer, Roswell T., <i>Chicago, Ill.</i> -----	1

## LIST OF DONORS.

	Volumes or Pamphlets.
Squibb & Sons, E. R., <i>Brooklyn, N. Y.</i> -----	2
Stadtbibliothek Zurich, <i>Zurich, Switzerland</i> -----	1
State Historical Society of Wisconsin, <i>Madison, Wis.</i> -----	3
Stevens, <i>Gen. Hazard, Boston, Mass.</i> -----	2
Stone, Herbert S., <i>Chicago, Ill.</i> -----	2
Stone School of Scientific Physical Culture, <i>Chicago, Ill.</i> -----	1
Storrs Agricultural Experiment Station, <i>Storrs, Conn.</i> -----	36
Sullivan Machinery Co., <i>Chicago, Ill.</i> -----	1
Summers, Leland L., <i>Denver, Col.</i> -----	1
Swain, George F., <i>Boston, Mass.</i> -----	2
Swett, L. Herbert, <i>Aurora, Ill.</i> -----	1
Sydney Observatory, <i>Sydney, Australia</i> -----	3
Syracuse Public Library, <i>Syracuse, N. Y.</i> -----	1
Taber, Sidney R., <i>Chicago, Ill.</i> -----	1
Talbot, Dr. Eugene S., <i>Chicago, Ill.</i> -----	1
Technical Press of America, <i>Chicago, Ill.</i> -----	1
Texas Academy of Science, <i>Austin, Tex.</i> -----	1
Thurston, Prof. Henry, <i>Chicago, Ill.</i> -----	1
Toronto Astronomical Society, <i>Toronto, Can.</i> -----	1
Toronto, City Engineer, <i>Chicago, Ill.</i> -----	1
Toronto, City Treasurer, <i>Toronto, Can.</i> -----	3
Toronto, Provincial Secretary's Department, <i>Toronto, Can.</i> -----	1
Toronto Public Library, <i>Toronto, Can.</i> -----	2
Trenton Public Library, <i>Trenton, N. J.</i> -----	3
Tufts College, <i>Tufts College, Mass.</i> -----	2
Tulane University of Louisiana, <i>New Orleans, La.</i> -----	1
Turkey Creek Nursery, <i>Macclenny, Fla.</i> -----	1
Tuskegee Normal and Industrial Institute, <i>Tuskegee, Ala.</i> -----	6
Union Metallic Cartridge Co., <i>Bridgeport, Conn.</i> -----	1
Union Pacific Railroad Co., <i>New York, N. Y.</i> -----	1
United States Civil Service Commission, <i>Washington, D. C.</i> -----	4
United States Commission of Fish and Fisheries, <i>Washington, D. C.</i> -----	107
United States Government, <i>Washington, D. C.</i> -----	*816
United States Hydrographic Office, <i>Chicago, Ill.</i> -----	4
United States Military Academy, <i>West Point, N. Y.</i> -----	1
United States Naval Academy, <i>Annapolis, Md.</i> -----	1
United States Naval Observatory, <i>Washington, D. C.</i> -----	2
Universitäts-Bibliothek, <i>St. Petersburg, Russia</i> -----	1
Université Laval, <i>Quebec, Can.</i> -----	2
University of Arizona, <i>Tucson, Ariz.</i> -----	29
University of California, <i>Berkeley, Cal.</i> -----	7
University of Chicago, <i>Chicago, Ill.</i> -----	6
University of Colorado, <i>Boulder, Col.</i> -----	1
University of Illinois, <i>Champaign, Ill.</i> -----	18
University of Iowa, <i>Iowa City, Ia.</i> -----	2
University of Michigan, <i>Ann Arbor, Mich.</i> -----	5
University of Minnesota, <i>Minneapolis, Minn.</i> -----	76

\*Estimated.

## LIST OF DONORS.

45

Volumes or  
Pamphlets.

University of Minnesota, Agricultural Experiment Station, <i>St. Anthony Park, Minn.</i> .....	9
University of Missouri, <i>Columbia, Mo.</i> .....	5
University of Missouri, Agricultural College, <i>Columbia, Mo.</i> .....	51
University of Missouri, Laws Observatory, <i>Columbia, Mo.</i> .....	1
University of Montana, Biological Station, <i>Missoula, Mont.</i> .....	4
University of Nashville, <i>Nashville, Tenn.</i> .....	1
University of Nebraska, <i>Lincoln, Neb.</i> .....	21
University of Oregon, <i>Eugene, Ore.</i> .....	1
University of Pennsylvania, <i>Philadelphia, Pa.</i> .....	20
University of St. Andrews, <i>St. Andrews, Scotland</i> .....	1
University of Southern California, <i>Los Angeles, Cal.</i> .....	1
University of Texas, <i>Austin, Tex.</i> .....	4
University of the Pacific, <i>San José, Cal.</i> .....	1
University of the South, <i>Sewanee, Tenn.</i> .....	1
University of Toronto, <i>Toronto, Can.</i> .....	2
University of Vermont, <i>Burlington, Vt.</i> .....	1
University of Wisconsin, <i>Madison, Wis.</i> .....	4
University of Wyoming, <i>Laramie, Wyo.</i> .....	9
Unknown .....	12
Utah University, <i>Salt Lake City, Utah</i> .....	1
Van Nostrand, D., Co., <i>New York, N. Y.</i> .....	1
Van Osdel, John M., <i>Chicago, Ill.</i> .....	1
Van Publishing Co., <i>New York, N. Y.</i> .....	2
Van Schaack, Peter, & Sons, <i>Chicago, Ill.</i> .....	1
Van Wickle, William P., <i>Washington, D. C.</i> .....	1
Vancouver, Board of Trade, <i>Vancouver, B. C.</i> .....	1
Vassar College, <i>Poughkeepsie, N. Y.</i> .....	26
Vermont, Inspector of Finance, <i>Poultney, Vt.</i> .....	1
Victoria Public Library, Museums and National Gallery, <i>Melbourne, Australia</i> .....	1
Virginia, Department of Agriculture, <i>Richmond, Va.</i> .....	1
Vogeler, Adolf G., <i>Chicago, Ill.</i> .....	72
Volta Bureau, <i>Washington, D. C.</i> .....	3
Vognich, W. M., <i>London, Eng.</i> .....	3
Vulcan Iron Works, <i>Chicago, Ill.</i> .....	3
Wainwright, Jacob T., <i>Chicago, Ill.</i> .....	6
Walter, Herbert E., and Alice H., <i>Chicago, Ill.</i> .....	1
Warner, George E., <i>Minneapolis, Minn.</i> .....	13
Ward, Prof. Henry B., <i>Lincoln, Neb.</i> .....	21
Warren County Library and Reading Room Association, <i>Monmouth, Ill.</i> .....	1
Warvelle, George W., <i>Chicago, Ill.</i> .....	2
Washington and Jefferson College, <i>Washington, Pa.</i> .....	1
Washington Geological Survey, <i>Seattle, Wash.</i> .....	1
Watertown Free Public Library, <i>Watertown, Mass.</i> .....	1
Watt, Frederick A., <i>Chicago, Ill.</i> .....	1
Wellesley College, <i>Wellesley, Mass.</i> .....	6
Welling, John C., <i>Chicago, Ill.</i> .....	1
Wellman-Seaver Engineering Co., <i>Cleveland, O.</i> .....	2

## LIST OF DONORS.

	Volumes or Pamphlets.
Wernigerode Fürstlichen Bibliothek, <i>Wernigerode, Prussia</i> .....	1
Wesleyan Academy, <i>Wilbraham, Mass.</i> .....	3
West, G. M., <i>Chicago Heights, Ill.</i> .....	2
West Chicago Park Commission, <i>Chicago, Ill.</i> .....	1
Westborough Insane Hospital, <i>Westborough, Mass.</i> .....	1
Western Australia Geological Survey, <i>Perth, Australia</i> .....	2
Western Electric Co., <i>Chicago, Ill.</i> .....	2
Western Railway Club, <i>Chicago, Ill.</i> .....	1
Western Society of Engineers, <i>Chicago, Ill.</i> .....	13
Westinghouse Air Brake Co., <i>Wilmerding, Pa.</i> .....	1
Westinghouse Electric and Manufacturing Co., <i>Pittsburg, Pa.</i> .....	5
Weston, S. Burns, <i>Philadelphia, Pa.</i> .....	1
Williston Seminary, <i>Easthampton, Mass.</i> .....	2
Wilmington Institute, <i>Wilmington, Del.</i> .....	38
Wilson, H. B., & Co., <i>Washington, D. C.</i> .....	1
Wilson, James G., <i>New York, N. Y.</i> .....	3
Wilson, Louis N., <i>Worcester, Mass.</i> .....	2
Wisconsin, Bureau of Labor & Industrial Statistics, <i>Madison, Wis.</i> .....	1
Wisconsin Free Library Commission, <i>Madison, Wis.</i> .....	12
Women's Education Association, <i>Lancaster, Mass.</i> .....	1
Worcester County Law Library, <i>Worcester, Mass.</i> .....	5
Worcester Free Public Library, <i>Worcester, Mass.</i> .....	6
Worcester Polytechnic Institute, <i>Worcester, Mass.</i> .....	1
World Relations, <i>Champaign, Ill.</i> .....	2
Wyoming Agricultural Experiment Station, <i>Laramie, Wyo.</i> .....	12
Yale University, <i>New Haven, Conn.</i> .....	1
Yawman & Erbe Manufacturing Co., <i>Chicago, Ill.</i> .....	7
Yerkes Observatory, <i>Williams Bay, Wis.</i> .....	2
Young Men's Christian Association, <i>Chicago, Ill.</i> .....	2
Young Men's Christian Association Library, <i>New York, N. Y.</i> .....	1
Young Men's Library Association, <i>Augusta, Ga.</i> .....	1
 Total .....	 5,782

34346  
act

THE  
**JOHN CRERAR LIBRARY**

NINTH ANNUAL REPORT

FOR THE YEAR

1903



CHICAGO  
PRINTED BY ORDER OF THE BOARD OF DIRECTORS  
1904



## OFFICERS, 1904

---

*President*

PETER STENGER GROSSCUP

*First Vice-President*

HENRY W. BISHOP

*Second Vice-President*

THOMAS D. JONES

*Secretary*

ARTHUR J. CATON

*Treasurer*

WILLIAM J. LOUDERBACK

*Librarian*

CLEMENT W. ANDREWS

---

## BOARD OF DIRECTORS

---

MARSHALL FIELD

E. W. BLATCHFORD	PETER STENGER GROSSCUP
ROBERT T. LINCOLN	ARTHUR J. CATON
HENRY W. BISHOP	MARVIN HUGHITT
ALBERT KEEP	THOMAS D. JONES
JOHN M. CLARK	JOHN J. MITCHELL
FRANK S. JOHNSON	LEONARD A. BUSBY
CARTER H. HARRISON, Mayor of Chicago, <i>ex-officio</i>	
LAWRENCE E. McGANN, Comptroller of Chicago, <i>ex-officio</i>	

## STANDING COMMITTEES

---

*Finance*

MARSHALL FIELD

ALBERT KEEP	JOHN J. MITCHELL
-------------	------------------

*Administration*

E. W. BLATCHFORD

MARVIN HUGHITT	LEONARD A. BUSBY
----------------	------------------

*Buildings and Grounds*

JOHN M. CLARK

HENRY W. BISHOP	ROBERT T. LINCOLN
-----------------	-------------------

*Books*

FRANK S. JOHNSON

THOMAS D. JONES	ARTHUR J. CATON
-----------------	-----------------

## DIRECTORS, 1894-1903

NORMAN WILLIAMS	- - - -	1894-1899*
HUNTINGTON W. JACKSON	- - - -	1894-1901*
MARSHALL FIELD	- - - -	1894-
E. W. BLATCHFORD	- - - -	1894-
T. B. BLACKSTONE	- - - -	1894-1899†
ROBERT T. LINCOLN	- - - -	1894-
HENRY W. BISHOP	- - - -	1894-
EDWARD G. MASON	- - - -	1894-1895†
ALBERT KEEP	- - - -	1894-
EDSON KEITH	- - - -	1894-1896*
SIMON J. MCPHERSON	- - - -	1894-1899†
JOHN M. CLARK	- - - -	1894-
GEORGE A. ARMOUR	- - - -	1894-1899†
FRANK S. JOHNSON	- - - -	1896-
PETER STENGER GROSSCUP	- - - -	1897-
ARTHUR J. CATON	- - - -	1900-
MARVIN HUGHITT	- - - -	1900-
THOMAS D. JONES	- - - -	1900-
JOHN J. MITCHELL	- - - -	1900-
LEONARD A. BUSBY	- - - -	1901-

\* Deceased

† Resigned

## OFFICERS, 1895—1904

### *Presidents*

NORMAN WILLIAMS	- - - - -	1895—1899
HUNTINGTON W. JACKSON	- - - - -	1900—1901
PETER STENGER GROSSCUP	- - - - -	1901—

### *First Vice-Presidents*

EDWARD G. MASON	- - - - -	1895
HUNTINGTON W. JACKSON	- - - - -	1896—1900
PETER STENGER GROSSCUP	- - - - -	1900
HENRY W. BISHOP	- - - - -	1901—

### *Second Vice-Presidents*

MARSHALL FIELD	- - - - -	1895—1899
PETER STENGER GROSSCUP	- - - - -	1899—1900
HENRY W. BISHOP	- - - - -	1900—1901
THOMAS D. JONES	- - - - -	1901—

### *Secretaries*

GEORGE A. ARMOUR	- - - - -	1895—1900
ARTHUR J. CATON	- - - - -	1900—

### *Treasurer*

WILLIAM J. LOUDERBACK	- - - - -	1895—
-----------------------	-----------	-------

### *Librarian*

CLEMENT W. ANDREWS	- - - - -	1895—
--------------------	-----------	-------

## LIBRARY STAFF, 1904

<i>Librarian</i>	-	-	-	-	-	CLEMENT W. ANDREWS
<i>Assistant Librarian</i>	-	-	-	-	-	CHARLES J. BARR
<i>Cataloguer</i>	-	-	-	-	-	AKSEL G. S. JOSEPHSON
<i>Reference Librarian</i>	-	-	-	-	-	CHARLES H. BROWN
<i>Classifier</i>	-	-	-	-	-	CLARENCE W. PERLEY
<i>Assistant Cataloguer</i>	-	-	-	-	-	MARY E. HAWLEY
<i>Assistant Reference Librarian</i>	-	-	-	-	-	WILLIAM M. HEPBURN

### *Senior Assistants*

EDITHA C. PHELPS	ELEANOR ROPER
SARAH S. DICKINSON	GERTRUDE FORSTALL
CHARLOTTE H. FOYE	ELIZABETH MONTROSS

### *Junior Assistants*

MARY EMILY MILLS	MAY L. MARTIN
CHARLES WITT	ESTELLE LUTRELL
ANNIE LOUISE O'NEILL	BESS R. BALDWIN
BLANCHE SEELY	ELLEN G. SMITH
WILLIAM TEAL	JENNIE A. HULCE
FRANK L. GRIFFIN	ADAH PATTON
GENEVIEVE DARLINGTON	

### *Attendants*

DOUGLAS CALHOUN	PAUL VAN CLEEF
FRANK F. STEPHENS	OSCAR NORMAN
CHARLES B. HARBAUGH	JOSEPH BLIGHT

### *Pages*

MICHAEL BAUER	FRANK HUNTSCHA
SAMUEL S. MARKS	
<i>Janitor</i>	WILLIAM J. JONES
<i>Assistant Janitor</i>	WILLIAM R. BICKHAM

## REPORT OF THE PRESIDENT.

TO THE GOVERNOR OF ILLINOIS:

In accordance with the provisions of an Act entitled: "An Act to encourage and promote the establishment of free public libraries in cities, villages, and towns in this state," approved June 17, 1891, under which this corporation is organized, the Directors of the John Crerar Library submit their ninth annual report.

No changes have occurred in the Board of Directors during the last year. It is composed of the following persons: Marshall Field, E. W. Blatchford, Robert T. Lincoln, Henry W. Bishop, Albert Keep, John M. Clark, Frank S. Johnson, Peter Stenger Grosscup, Arthur J. Caton, Marvin Hughitt, Thomas D. Jones, John J. Mitchell, Leonard A. Busby, and Carter H. Harrison, Mayor, and Lawrence E. McGann, Comptroller of Chicago, ex-officio members.

The officers of the Library are as follows: President, Peter Stenger Grosscup; First Vice-President, Henry W. Bishop; Second Vice-President, Thomas D. Jones; Secretary, Arthur J. Caton; Treasurer, William J. Louderback; Librarian, Clement W. Andrews.

The ninth year of the work of the Library has again shown most satisfactory advances in its usefulness to the public, in its actual growth, and in its prospects for future usefulness and growth. The total use of the Library has been over 190,000 books and periodicals, and the Library has been frequented by 76,500 visitors, an average of 244 a day, and an increase of 10,000 over the record of last year. The Library now contains 103,291 volumes, and receives 1,870 periodicals and 3,464 other continuations. For further details reference is made to the appended report of the Librarian.

## REPORT OF THE PRESIDENT.

The report of the Treasurer, also appended, presents the statement of the income and expenditures for the year 1903, together with a statement of the assets and investments as required by law.

Respectfully submitted,

PETER STENGER GROSSCUP,

*President.*

CHICAGO, January 21, 1904.

## REPORT OF THE TREASURER.

### STATEMENT OF FINANCES FOR YEAR 1903.

#### CASH.

##### Cash on hand January 1, 1903:

In bank	\$54,068.72
Librarian, petty cash	149.22
	<u>\$54,217.94</u>

#### RECEIPTS.

Collections account income	\$178,001.63
Huntington W. Jackson Fund, income	31.50
Bills Collectable	177.50
Investments:	
Bills Receivable	200,000.00
Bonds	10,000.00
Stocks	2,000.00
Accounts Receivable	7,768.50
	<u>397,979.13</u>
	<u>\$452,197.07</u>

#### DISBURSEMENTS.

Audited Vouchers	\$104,750.68
Investments:	
Bonds	\$283,815.00
Stocks	26,200.00
	<u>310,015.00</u>
	<u>414,765.68</u>

##### Cash on hand December 31, 1903:

In bank	\$37,350.93
Librarian, petty cash	80.46
	<u>\$37,431.39</u>

## REPORT OF THE TREASURER.

## OPERATION.

INCOME	-	-	-	-	-	\$188,757.02
--------	---	---	---	---	---	--------------

## EXPENSE.

## Administration:

Rent, Light, etc.	-	-	\$19,205.99
Salaries, Wages	-	-	36,723.71
Supplies	-	-	1,985.15
Printing	-	-	2,811.65
Transportation, Postage	-	-	945.49
Sundries	-	-	6,890.43
			<u>\$68,562.42</u>

## Books:

Books	-	-	\$18,516.48
Periodicals	-	-	5,641.18
Binding	-	-	9,230.70
Lettering, Repairs	-	-	1,500.70
			<u>34,889.06</u>

## Buildings and Grounds:

Repairs	-	-	\$170.63
Depreciation	-	-	1,602.11
			<u>1,772.74</u>
			<u>105,224.22</u>
Surplus for year 1903	-	-	
			<u>\$83,532.80</u>

## ASSETS.

Bonds, including Huntington W. Jackson Fund	-	-	\$2,429,823.77
Stocks	-	-	968,394.50
Mortgage and Other Loans	-	-	510,000.00
Furniture and Fixtures	-	-	14,418.95
Book Investment	-	-	199,031.18
Bills Collectable	-	-	57.90
Cash	-	-	37,431.39
Total	-	-	<u>\$4,159,157.69</u>

## LIABILITIES.

Endowment Fund	-	-	\$3,400,000.00
Building Fund	-	-	523,117.23
Book Fund	-	-	199,031.18
Security Reserve Fund	-	-	18,477.78
Huntington W. Jackson Fund	-	-	1,000.00
Huntington W. Jackson Fund Income	-	-	31.50
Book Purchase Reserve	-	-	17,500.00
Total	-	-	<u>\$4,159,157.69</u>

REPORT OF THE TREASURER.

11

In accordance with the instructions of the Board of Directors the Building Fund has been increased by the amount of the surplus for the year, \$83,532.80, less the sum of \$17,500.00 set aside as a Book Purchase Reserve (for the purchases authorized by the Board), making a total to the credit of the Building Fund of \$523,117.23.

The Book Fund has been increased by the amount of the investment during the year, less depreciation, and now stands at \$199,031.18.

Insurance is in force covering the property of the Library in amounts as follows:

Books	- - - - -	\$170,000.00
Portraits, Furniture, Fixtures, and Decora-		
tions	- - - - -	20,000.00
Type and Cases	- - - - -	2,900.00
		<hr/>
		\$192,900.00

Wm. J. LOUDERBACK,  
Treasurer.

CHICAGO, January 21, 1904.

Having completed a thorough examination of the books of account and vouchers of The John Crerar Library for the twelve months ended December 31, 1903, and verified the bank balances and securities on hand as at the close of the year, and found everything in order, we hereby certify that the foregoing statements of account accurately represent the transactions of said period and the financial condition of The John Crerar Library as at December 31, 1903.

WILKINSON, RECKITT, WILLIAMS & Co.,  
Certified Public Accountants.  
801-805 Marquette Bldg., Chicago, Ill.

## REPORT OF THE LIBRARIAN.

TO THE BOARD OF DIRECTORS OF THE JOHN CRERAR LIBRARY.

*Gentlemen:*—In the past year the number of books on the shelves of the Library has increased to more than 100,000. Without placing undue weight on the fact, it still may be said that it places the Library statistically in a different class, and so emphasizes its increased power of serving the public. That this is realized, at least partially, by the public is shown by the great increase in the use made of the Library, at times almost to the limit of its present accommodations. That the Directors recognize the desirability of increasing this power still further and as fast as is practical, is shown by their purchase of the extensive Truelove collection on social sciences.

The pressure of the increase in readers, books, and staff has been felt seriously. Several times the number of readers in the Reading Room has been practically equal to its utmost capacity, as at present arranged, and on February 23 actually exceeded it. At the same time the public card catalogue has outgrown its space. The Committee on Buildings had approved a change which would have met the latter difficulty, but as it would not have given any relief in the more important one, it seemed best to wait until next spring, when the question of a stay in the present quarters beyond the time of the existing lease should be decided. As has been stated to the Board already, a further stay of any length will make more space on the fifth floor absolutely necessary if the service of the library to the public is not to be impaired.

Meanwhile, so far as administration is concerned, much relief has been obtained by the use of a room at the Newberry Library, kindly placed at our service by the committee of that library, in which the boxes containing the rest of the Ely collection and the Lloyd gift have been opened and their contents examined and sorted. More has been accomplished in a fortnight there

than could have been done in a couple of months in the crowded rooms here. It may prove possible to permit the use of the material stored there by such scholars as are seriously interested in it. Nevertheless, the separation of these books from the main library is an evil which should be done away with as soon as possible.

It is pleasant to note that the exhaust fans in the Reading Room have improved the ventilation so much as to suggest the possibility of ventilating the largest reading room, if of sufficient height, in this simple and inexpensive manner. It may prove, however, that the proposed inclusion of lecture halls in the permanent building will compel the adoption of more elaborate methods.

The total number of visitors recorded during the year was 76,429, and the daily average 244, making an increase of 15 per cent over the figures of 1902, which were 66,512 and 213 respectively. For the first time, however, the attendance in the first four months of the year was larger than in the last four months, a fact which would seem to indicate that no considerable further increase is to be expected under present circumstances. This increase has been practically uniform for day, evening, and holiday attendance. The average attendance in the evenings has risen from 50 to 57, and on holidays, excluding those not generally observed, from 91 to 106. The smallest attendance on any single day was 54, on July 4, and the largest 430, on February 23. The figures for 1902 were 56 and 350 respectively. So far as can be determined the evening attendance has suffered, since November 1, an average loss of 15 from the reopening of the Public Library in the evenings.

Remarkable as has been the increase in number of readers, that in the calls for books from the stack has been even more remarkable, the figures being 50,264, or a daily average of 161, against 39,606 and 127 in 1902. The percentage of increase is 27, nearly double that of readers and of books on the shelves. The use of periodicals has shown a decided increase, and the admissions to the stack a slight one. Assuming the same proportion to recorded use as in previous years, the total use of the library may be estimated as over 190,000 volumes and periodicals.

A detailed classification of the call slips for books and periodicals is given in the second table of library statistics. The following comparison of the totals and percentages for each department with the corresponding figures for 1902 shows that the rate of increase of use has been practically constant for all departments:

	RECORDED USE				ADMISSIONS TO THE STACK			
	1902		1903		1902		1903	
	Total	Percent-	Total	Percent-	Total	Percent-	Total	Percent-
General Works-----	12,860	25	15,171	24	100	9	128	11
Social Sciences-----	7,876	14	9,046	14	120	10	138	12
Physical Sciences-----	6,738	13	8,471	13	255	22	216	18
Natural Sciences-----	3,871	8	5,097	8	235	20	274	23
Applied Sciences-----	20,516	40	25,943	41	457	39	437	36

Of the admissions to the stack 1,015 have been by registration, and 178 on presentation of 19 passes. Six additional passes have been granted, making a total of 68 nominally in force.

In all but six subjects there has been an increase in the number of calls for books, and for three of the six exceptions the decrease was very slight. In library economy, however, it has been about one-half and in photography and statistics about one-third. On the other hand, the calls for logic have increased fivefold, for domestic economy two and one-half times, for philosophy and paleontology they have doubled, and for bibliography, psychology, political science, law, mathematics, zoölogy, and industrial arts they have increased more than one-half. It is noticeable that several of the largest changes, both increases and decreases, become normal increases if compared with the figures of 1901 rather than with those of 1902. The five leading subjects remain the same, and in the same order, engineering, physics, trade and transportation, history and geography, chemical technology.

For two years no distribution of call slips by the residence of the readers has been made, chiefly because the previous results had been so uniform. The distribution of the call slips for July is given in the last column of the following table:

	1897	1898	1899	1900	1902
South Side -----	34	35	38	38	28
North Side -----	19	26	24	24	31
West Side-----	21	22	21	23	21
Business District ---	14	10	10	7	10
Out of Town-----	12	7	7	8	11

So far as the changes noted are significant they strengthen the argument for a central location. It should be remembered that they are only relative, the increase in the total more than counterbalancing any change in percentage.

The time required to fill calls has been calculated on the call slips of the last week in December. The average time was 2.09 minutes, and 85 per cent were filled within three minutes. The service, therefore, is as good as in 1901, when the figures were 2.05 and 82 respectively. This result, in view of the much larger number of calls to be filled, of the crowded condition of the shelves, and that the week chosen for the computation was unusually busy and gave an unusual percentage of calls from the lower stack, is satisfactory and reflects credit on the attendants.

In May the Library issued its *Eighth Annual Report*, a pamphlet of 46 pages, of which the usual edition of 4,000 copies was printed, and the greater part distributed. In July it issued the first *Supplement to the List of Serials in Public Libraries of Chicago and Evanston*, corrected to April, 1903. This is a pamphlet of 110 pages. Of the fifteen libraries represented in the original list, published in 1901, fourteen joined in the revision, and besides these the Chicago Historical Society added its titles, materially enhancing the value and broadening the scope of the list. There are in the supplement the titles of 4,060 serials and 440 references. Of the titles 1,870 occur in the original list, of which at least 500 have been reprinted to record the completion of sets or the filling of gaps. This fact emphasizes the importance of frequent editions of the supplement. As the linotypes have been kept the chief expense will be that of paper and presswork. While annual issues may not be advisable, it would seem as if they could be made every second year.

The following table shows the distribution of the publications of the library:

TITLE	Date	Edition	DISTRIBUTION				On hand Dec. 31
			On hand Jan. 1	Gift	Sale		
Books in Reading Room --	1900	500	49	11	13	25	
List of Serials -----	1901	350	190	--	15	175	
Periodicals Received-----	1902	1,000	560	45	15	500	
Bibliographies of Special Subjects -----	1902	966	586	99	56	431	
Supplement List Serials ---	1903	754	---	442	42	266	

The preparation of the other bulletins authorized by the Committee and mentioned in the last report has been postponed in order to print a *List of Books on the Industrial Arts*. This has been undertaken at the request of the Industrial Art League which proposes to distribute copies among those workers who would be most benefited by a knowledge of what the library has in this line. The list will include all titles in the catalogue at the time of going to press. Critical notes may be furnished by the League in a separate publication. Unfortunately the library's collection on this subject, while not inconsiderable, is neither large nor well rounded out, and lacks many standard works. The list, therefore, is not likely to be of use to others than possible readers in the library. The bulletin will contain over 200 pages. Some 170 have been received from the printer, and it is expected that it will be ready for distribution in March.

The distribution of catalogue cards to the Armour Institute of Technology, Chicago Public Library, Field Columbian Museum, Library of Congress, Northwestern University, University of Chicago, and University of Illinois has been continued. In addition, an arrangement has been made with the United States Geological Survey for the sending of one copy of all titles in Geology, Paleontology, and Mining Engineering in return for all their publications not received as a special depository. This is a welcome arrangement as it will enable the Library to serve its readers much more satisfactorily. From the Library of Congress there have been received in exchange 71,144 cards, making a total of 116,713. This completes the depository catalogue to date. All but the receipts of December have been filed.

The selection of books to be purchased has gone on regularly, but unfortunately, for several reasons, the work of ordering has not been equally regular, and the accumulation of titles selected has again increased. During the year 5,868 orders have been given. Of these 157 failed or were canceled, leaving 5,711 valid orders, covering 7,213 volumes at an estimated cost of \$16,917.48. Of outstanding orders, 5,931 were filled, covering 11,381 volumes at a cost of \$18,516.48, leaving outstanding 1,847 orders at an estimated cost of \$5,947.95. These figures

do not include 1,270 orders written for the 1,559 volumes so far accessioned from the Ely collection, which in the second table of library statistics are added to the "unclassified" (o) as it is not yet possible to apportion their cost. One-third of the purchase price has been added as a rough approximation.

The total accessions for 1903 have been 14,280, of which 2,899 have been received as gifts and 11,381 obtained by purchase. Volumes made by binding serials and the volumes so far accessioned from the Ely collection are included in these figures. There have been withdrawn 208 volumes, leaving the net accessions for the year 14,072, which, with the 89,219 reported for 1902, make a total now on the books of 103,291. Except for the Ely collection and the Lloyd gift the work in the Receiving Room is up to date.

The following table shows the distribution of the accessions for 1902 and of the total in the library by departments:

DEPARTMENT	ACCESSIONS 1903		TOTAL IN LIBRARY	
	Volumes	Percent	Volumes	Percent
General Works.....	3,559	25	21,345	21
Social Sciences.....	4,293	31	26,544	26
Physical Sciences.....	1,132	8	13,894	13
Natural Sciences.....	1,502	11	14,706	14
Applied Sciences.....	3,570	25	26,802	26

It will be seen that the growth of the library has been less symmetrical than in previous years. This is due partly to the inclusion of the Ely books under General Works, partly to the accessioning of some large gifts in the Social Sciences, and partly to the impossibility of continuing purchases in the Physical Sciences on the same scale as in the past. This is not because more books are not wanted but because those which are wanted are not in the market.

The periodicals currently received for use in the periodical alcove are 1,870, of which 272 are received by gift and 1,498 subscribed for at an estimated yearly cost of \$5,530.51. The number subscribed for has been increased by the addition of several scientific, botanical, and bacteriological journals indexed in the *International Catalogue of Scientific Literature* and not taken elsewhere in Chicago.

The Continuation Record has been revised. All titles no

longer current and those for the continuation of which it does not seem worth while to make any effort have been removed. This revision has reduced the number of titles of current continuations to 3,464, notwithstanding the addition of 604 during the year. About 45 per cent of these are obtained by purchase at a cost in 1903 of \$2,762.04. The necessity for the record and of careful attention to it is well shown by the following figures. Out of 500 serials (100 consecutive titles in five different parts of the list) only 376 were received regularly without claim, 65 were received upon the first claim, 6 upon the second, 14 were reported out of print, 6 to have changed method of publication, being continued in a different form, 19 as discontinued, suspended, or delayed, while no report could be obtained from 14. Of the continuations which could not be obtained, 40 were supposed to come as gifts and 13 as purchases. Now that the record has been completed and the necessary claims can be made promptly, one cause of breaks in the sets will be removed. Nevertheless, it has been a disagreeable surprise to find that reminders are necessary in one case out of four. This library has to apologize too frequently for the carelessness of the Librarian and other members of the staff, but it is hoped that the proportion is somewhat smaller than that just recorded or that evidenced by the curious and sometimes amusing addresses on the mail which we do get. Many of the latter were written in reply to letters bearing the printed letter head of the library, and yet the list includes such addresses as Carnegie, Creaner, Crear, Crearer, Crearrer, Creer, Creerar, Creerer, Cregar, Cregier, Crerer, Creriar, Don Crerar, Greer, Krear, Krerer, Queer, St. Crerar, St. John's. The possible combinations are not yet exhausted. It might be added that there is a possibility of doubting the good faith of the correspondent who addressed "The Queer Library, Chicago." It may reflect his opinion of an institution which took and gave so much trouble to keep its file of the *New York City Record* complete.

All other purchases of the year are insignificant besides that of the collection on social sciences bought through Mr. Truelove. While not a few of the 18,000 volumes and 13,000 pamphlets must be duplicated in the collection now in the library, still the report submitted to the Directors makes it certain that the pur-

chase has anticipated the work of years, and has secured much material which might not again be offered. However, the decision to purchase was made so late in the year that no extended mention of it can be made now. Of the single purchases the most important is the *Archæology of the Biologia Centrali-Americana*, completing the work to date. Many sets of periodicals have been completed, among them *Journal of the Institute of Bankers*, *Bankers' Magazine*, *Deutscher Viertel-jahrsschrift für öffentliche Gesundheitspflege*, *Botanical Register*, *Entomologist*, *Memoirs and Records of the Geological Survey of India*, *Amateur Photographer*, *Annales de mathématiques pures et appliquées*, *Transport*, *Zeitschrift für Bauwesen*, *Mathematical Questions*, *Proceedings of the Geologists' Association*, *Landwirtschaftliche Jahrbücher*, *Atti della R. Accademia di Scienze* (of Naples), and *Spectator* (from 1832).

There were received 6,656 gifts from 1,059 donors, and 2,809 gifts have been entered in the accession books. The figures for 1902 were 5,782, 805 and 2,410 respectively. These figures do not include a large number of pamphlets and about one hundred volumes from the late Henry D. Lloyd, sent as the overflow from his library not very long before his sudden death. This gift is now being examined, and has proved to be more valuable than was expected, containing much documentary material on labor conditions in the Australian colonies. Of the gifts accessioned may be mentioned a set of the publications of the *Société des Sciences d'Hainaut*, a large number of insurance publications received a year or two ago from Mr. C. E. Rollins, and sets of state documents from the State Libraries of Connecticut, Massachusetts, and Pennsylvania, and the Wisconsin Library Commission.

Comparatively few misplacements of books called for by the readers have been brought to the attention of the shelf-lister. This satisfactory condition of the shelves is due partly to the frequent reshelfing, but probably more to the fact that one attendant, Mr. Harbaugh, has been placed in charge of the work of shelving and reshelfing, and has given careful attention to it. Seven books are reported as missing, three from the Reading Room and four from the stacks; and eight as mutilated, all from the Reading Room. The small number of mis-

placements and losses has made it possible to postpone an inventory until the books are rearranged on new shelves, as they must be soon.

On January 1, 1903, there were at the bindery 877 volumes and 6,697 were sent during the year; 22 were returned as incomplete and 6,945 bound, leaving 607 at the bindery December 31, 1903. The total cost of binding was \$9,230.70, an average of \$1.33 per volume. The amount and rate are higher than in any previous year. The cost of lettering and repairs, including also the insertion of book-plates and the cutting and pasting of order slips, was \$1,500.70.

The cataloguing has nearly, though not quite, kept up with the accessions. The failure to diminish the arrears of work has been due chiefly to the error of judgment of the Librarian in substituting the cataloguing rules of the American Library Association for those previously in force. The new code, or rather the present revision of the old code, was prepared in recognition of the desirability of more uniform cataloguing among American libraries in view of their use of catalogue cards from the Library of Congress. It was understood that the revision should be made especially for printed cards and consider especially the needs of large libraries of scholarly character. It was known that the adoption of a new code would cause a temporary loss of efficiency in the cataloguing force, but unfortunately this loss proved to be much greater than was expected. The rules as printed are insufficient and in some cases inconsistent, and application to the Library of Congress for their interpretation did not always obtain definite information. In some cases the library has had to make its own interpretation and in others to fall back upon its old rules. This confusion has retarded the work far out of proportion to the small number of cases in which it has occurred. Thanks, however, to the increased assistance obtained through the purchase of catalogue cards from the Library of Congress, the total number of titles treated has been almost as large as in 1902. The Cataloguer reports that 3,781 new titles have been prepared for print; 117 new titles typewritten; 153 old typewritten titles prepared for print; 744 old printed titles recatalogued; 2,627 titles received from the Library of Congress have been classified for the catalogues; 683 titles have

been prepared for the co-operative analysis of serials. The total number of titles treated by the Cataloguer and Classifier and their assistants has been 8,105. The titles reprinted in correction of errors were 168. Cards for 4,162 new titles and 1,201 reprinted titles were received from the printer, electrotypes for 1,325 new titles and 962 reprinted titles from the electrotypers. The total number of separate titles prepared for print to date is 38,858; of sets of cards received, 38,753; of electrotypes, 35,157.

The number of titles for which cards were received from the Library of Congress was one-fifth more than in 1902, and the number filed one-half more. The latter proportion fairly measures the increased benefit realized. It may be expected to increase still more in 1904, as that library has undertaken to catalogue all independent title-pages in the serials received by it. This will affect materially the co-operative work now done by the American Library Association, as these serials will be dropped from their list and others substituted.

The following detailed statement of the use of the Library of Congress cards may be of interest. The number of orders sent that library, on triplicate order sheets, was 5,761, and reports have been received on 5,696. Cards were received on these first orders, within two weeks, for 2,091 titles; on reorders within three months, 167; after more than three months, 147; on direct orders by serial numbers, 504; on standing orders for analytical entries in serials, 74; to replace canceled titles, without charge, 27; a total of 3,010. There were on hand January 1, 1903, 616; received during the year, 3,010; total, 3,616; of these, call numbers have been printed on 2,627, 88 are being classified, 172 have been canceled or withdrawn as not usable, and 739 await the receipt of the books. Of the 172 not usable, 27 were canceled by the Library of Congress because of its errors, and were replaced without charge, leaving 145 as a loss to the library. The proportion to those used is five per cent, almost exactly the same as in 1902, in spite of the elimination of certain sources of error. This is due to a marked increase in the cases of a substantial difference of edition. Unfortunately this number does not fully express the net loss. Of the 739 sets of cards awaiting the books it is certain that some cannot be used at

once, and some may never be used because it has proved impossible to obtain the book in spite of the fact that a copy has been received recently at the Library of Congress. In future the cards will be arranged in such a manner as to determine the loss from this cause.

Three changes in the routine of handling these cards have been made. One is to take advantage of the very welcome offer of the Library of Congress to accept standing orders for all the analytical cards for serials. Another is to catalogue all books here for which the Library of Congress cannot supply cards within one month after their receipt here. The third change is to withhold books from classification, as a rule, for which Library of Congress cards have been ordered, until their cataloguing has been seen. Care is taken to forward all books likely to be called for, but it has been found that the Library of Congress so frequently indicates additional classification or differences in treatment in the catalogues as to make this step advantageous, at least as long as there is an accumulation of uncatalogued material of equal value.

In continuance of the co-operative analysis of serials this library has furnished 683 titles and received cards for 3,205 at a net cost of \$76.32. As previously stated, important changes in the list to be analyzed are now under consideration.

No change of importance has been made in the preparation of the public card catalogues or in their mutual relations. The consolidation of the official catalogues in one alphabet has been completed, and the added entries inserted half through C. During the year 16,100 cards have been filed in the classed catalogue, which now contains some 46,400 titles on 97,300 cards, an average of 2.10 cards per title; 12,800 cards have been filed in the author catalogue, which now contains the same 46,400 titles on 79,900 cards, an average of 1.70 cards per title; 1,578 guides and 3,948 cards have been added to the subject index, which now contains 12,900 guides and 6,800 cards, covering 17,200 titles, an average of 0.40 cards per title. The distribution of the entries in the classed catalogue is shown in the second table of library statistics. The topographical index is not included in the table, nor in the figures just quoted. It contains some

16,200 cards, and those for about 1,150 titles have still to be added to complete it to date.

The library was invited to be represented officially at the Golden Jubilee of Franklin and Marshall College, June 7 to 11. It was so represented by the Librarian, and unofficially by several members of the staff, at the annual meeting of the American Library Association, at Niagara, June 22 to 27. It was represented unofficially by the Librarian and other members of the staff at the annual meeting of the Illinois State Library Association, held at the University of Chicago, April 13 to 15, and unofficially by the Librarian at the annual meeting of the New York State Library Association, held at Lake Placid, September 21 to 26.

The most important change which has taken place in the staff of the Library since its organization is the resignation of the Assistant Librarian, Mr. Anderson H. Hopkins, in November, to take charge of the new Free Public Library at Louisville. In an earlier report mention has been made of Mr. Hopkins's conscientious and able assistance in the formative period of the development of the Library. To this in no small degree is due the ease with which it was opened and with which it has appeared to work. Mr. Hopkins's regard for the interests of the staff and his relations with them were so cordial as to make me feel sure that I speak for them as well as for myself in wishing him all success in his new work. Mrs. C. M. Hill, Assistant Reference Librarian, Mr. T. F. Williams, janitor, and James S. O'Callaghan, page, have also left the service of the library; Mr. Williams because of ill health, after a faithful service from the beginning. To fill these vacancies and those existing at the beginning of the year, Mr. Charles J. Barr, Reference Librarian, has been appointed Assistant Librarian; Mr. Charles H. Brown, Classifier, has been appointed Reference Librarian; the position of Classifier has been made equal to those of Cataloguer and Reference Librarian, and Mr. C. W. Perley has been reappointed to it; Mr. W. M. Hepburn has been appointed Assistant Reference Librarian; Misses May L. Martin, Estelle Lutrell, and Ellen G. Smith have been appointed junior assistants; Mr. William J. Jones, janitor; and Samuel S. Marks, page. The

## REPORT OF THE LIBRARIAN.

continuance of temporary assistance has been authorized and the services of Misses Jennie A. Hulce, Adah Patton, and Genevieve Darlington secured.

Respectfully submitted,

CLEMENT W. ANDREWS,  
Librarian.

CHICAGO, January 21, 1904.

LIBRARY STATISTICS: I.  
RECORD OF ATTENDANCE AND USE FOR 1903.

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.	TOTAL 1903	TOTAL 1902	IN-CALLS PER CT.
Visitors-----	6,860	6,792	6,663	6,463	6,039	6,269	5,398	5,345	6,109	7,292	6,751	6,548	76,429	66,512	--
Daily Average-----	254	283	256	249	232	241	196	206	235	270	270	243	244	213	15
Calls for Books from Stack-----	4,318	4,752	4,736	3,998	4,040	3,783	3,130	3,274	3,689	4,901	4,629	5,014	50,264	39,606	--
Daily Average-----	160	198	182	154	155	146	116	126	142	182	185	186	161	127	27
Calls for Periodicals from Alcove-----	1,323	1,141	941	1,119	975	1,201	830	1,060	1,088	1,280	1,085	1,221	13,264	12,250	--
Daily Average-----	49	48	36	43	38	46	31	41	42	47	43	45	42	39	8
Visitors Admitted to Stack-----	95	93	99	102	87	91	83	96	116	98	110	123	1,193	1,167	2

Smallest attendance, 54 on July 4th. Largest attendance, 430 on February 23d.

COMPARISON BY YEARS.

	1897 9 MOS.	1898	1899	1900	1901	1902	1903
Visitors-----	18,584	30,516	34,827	41,667	54,828	66,512	76,429
Daily Average-----	80	99	113	134	175	213	244
Calls for Books from Stack-----	6,995	15,367	18,890	23,996	32,193	39,606	50,264
Daily Average-----	30	50	61	77	103	127	161
Calls for Periodicals from Alcove-----	3,864	7,213	8,013	8,667	9,741	12,350	13,264
Daily Average-----	17	23	26	28	31	39	42
Visitors Admitted to Stack-----	359	656	1,017	1,019	1,046	1,167	1,193
Volumes in Library-----	29,141	43,061	55,223	65,645	76,433	89,219	103,291

LIBRARY STATISTICS: II.

SUBJECTS	1903		ORDERS		1903		ACCESSIONS		CATALOGUE		PERIODICALS		RECORDED USE	
	Vol.	Est. Cost	Vol.	Est. Cost	No.	No.	Total	1903	Total	No.	Cost	Books	Periodicals	Stack
I.—GENERAL WORKS:														
0 Unclassified	58	\$344 25	2,674	\$8,008 88	1,600	2,273	2,678	8	\$24 97	1,163	1,26	4		
1 Bibliography	243	664 47	2,389	6,049 56	429	2,896	5,981	130	269 32	679	122	13		
2 Library Economy	37	20 31	953	923 31	142	1,014	1,597	27	29 60	371	55	11		
3 Cyclopedias	50	394 17	989	1,826 80	60	978	173	1		151	92	2		
4 Collected Works of Authors	7	48 51	178	494 41	12	176	126			272	672	77		
5 General Periodicals	49	58 79	2,675	3,169 90	250	3,453	384	84	274 74	1,939	3,682	13		
6 General Societies	283	1,244 89	3,940	10,003 14	258	3,463	434	81	211 64	852	37	18		
7 Exhibitions and Museums	72	88 95	877	965 37	91	755	816	12	7 36	238	2	1		
8 Special Libraries	109	177 03	651	1,051 44	117	639	940	12	33 71	1,144	28	2		
10 Philosophy	101	164 48	771	1,238 03	138	837	1,214	16	70 10	1,864	59	7		
13, 15 Psychology	13	11 71	102	115 41	17	109	143	—	—	176	—	—		
16 Logic	31	63 45	681	1,313 25	38	502	833	—	—	327	—	—		
40 Philology	272	531 41	2,549	5,693 36	348	3,003	3,811	2	2,309	—	48	—		
90 History and Geography	42	194 94	573	1,455 27	75	1,247	693	23	85 95	225	58	9		
91 Cartography	1,367	\$3,917 36	19,102	\$42,398 13	3,575	21,345	19,733	396	\$1,009 99	10,710	4,261	128		
II.—SOCIAL SCIENCES:														
17 Ethics	48	\$ 46 48	331	\$ 348 41	54	368	744	7	\$ 7 05	279	30	1		
20 Religion	27	59 70	218	373 05	41	257	787	2	15	430	—	1		
30 General Works	122	212 48	1,996	2,178 90	172	1,455	1,460	42	93 06	859	166	26		
31 Statistics	91	210 89	1,310	1,585 53	214	1,228	1,105	26	56 60	140	5	3		
32 Political Science	175	336 55	832	1,277 72	291	1,373	1,567	4	3 76	486	30	10		
33 Political Economy	386	690 61	3,664	4,280 05	803	4,475	6,303	135	212 42	1,538	514	39		
34 Law	122	218 96	499	1,124 63	137	742	1,386	13	20 65	263	2	1		
35 Administration (including Public Documents)	256	382 74	2,630	3,454 99	985	9,172	3,597	39	191 80	667	48	18		
36 Associations and Institutions	70	59 59	818	820 82	684	1,717	1,445	25	49 65	419	48	13		
37 Education	344	300 51	2,365	2,631 74	641	3,583	3,613	68	83 74	1,483	185	13		
38 Commerce and Communication	147	157 20	898	1,492 31	203	1,772	1,430	38	78 85	370	12			
39 Customs, Folklore, etc.	60	94 81	371	597 55	68	402	785	6	10 99	491	6	1		
	1,848	\$2,770 52	15,932	\$20,165 70	4,293	26,544	24,219	405	\$808 72	7,642	1,404	138		

Subjects	ORDERS			ACCESSIONS		CATALOGUE		PERIODICALS		RECORDED USE	
	1903		Total	1903		1903		1903		1903	
	Vol.	Est. Cost	Vol.	Est. Cost	No.	No.	Entries	No.	Cost	Books	Periodicals
III.—PHYSICAL SCIENCES:											
50 General Works-----	98	\$ 58 89	2,625	\$ 5,667 47	124	2,764	682	27	\$ 91 24	312	22
51 Mathematics -----	483 14	2,103	5,160 37	226	2,175	1,958	32	101 88	1,283	15	5
52 Astronomy -----	196 32	2,313	5,032 32	158	2,262	1,908	27	82 71	971	21	20
53 Physics -----	245 14	3,079	5,682 75	378	3,404	4,081	52	199 59	3,444	469	50
54 Chemistry and Mineralogy -----	354 32	3,335	7,360 21	246	3,289	3,052	40	204 11	1,730	204	119
IV.—NATURAL SCIENCES:											
55 Geology -----	796	\$ 1,337 81	13,455	\$ 28,903 12	1,132	13,894	11,681	178	\$ 679 53	7,740	731
56 Palaeontology -----	110	\$ 518 12	2,695	\$ 5,524 43	362	3,057	58	\$ 163 66	1,045	41	31
57 Biology and Natural Sciences in General -----	44	217 68	443	2,055 78	30	442	978	4	31 08	28	---
58 Botany -----	306	1,295 76	4,543	16,135 98	366	4,497	3,712	118	433 22	1,174	66
59 Zoology -----	308	1,514 78	2,264	9,120 10	321	2,340	2,763	67	223 10	855	35
	279	1,082 13	4,379	24,082 68	423	4,370	6,358	95	656 20	1,753	100
	1,047	\$ 4,628 47	14,324	\$ 56,918 97	15,92	14,706	17,787	342	\$ 1,507 26	4,855	242
V.—APPLIED SCIENCES:											
60, 70 General Works-----	112	\$ 231 31	3,169	\$ 5,727 79	294	3,763	1,204	70	\$ 217 04	1,167	1,657
61 Hygiene -----	189	388 88	1,463	2,498 05	363	2,127	2,805	58	123 38	1,627	213
62 Engineering -----	356	877 97	7,094	12,110 67	846	8,006	6,468	155	486 50	5,870	1,981
63 Agriculture -----	425	802 97	2,739	2,821 05	538	3,098	2,475	41	83 76	1,343	164
64 Domestic Economy -----	78	60 70	486	453 61	95	526	676	7	7 75	705	134
65 Trade and Transportation -----	226	317 58	1,947	3,630 37	405	2,669	2,574	55	112 32	2,499	880
66 Chemical Technology -----	236	458 19	1,872	4,184 90	268	2,089	2,194	49	138 26	2,026	420
67, 68 Manufactures and Trades -----	130	232 69	1,252	2,138 87	191	1,477	1,501	32	93 28	1,117	220
69 Building -----	63	110 54	766	1,461 05	89	868	1,026	17	44 45	754	138
71 Landscape Gardening -----	47	85 74	269	508 26	101	290	346	6	8 20	135	14
72 Architecture -----	75	264 22	358	1,250 76	119	527	775	23	104 48	462	347
73-76 Drawing, Design, etc. -----	157	369 85	682	1,784 63	118	636	1,210	8	35 82	1,209	170
77 Photography -----	71	63 58	551	245 24	143	726	660	28	69 77	403	288
Total -----	2,165	\$ 4,263 32	22,648	\$ 38,815 25	3,570	26,802	23,914	549	\$ 1,525 01	19,317	6,626
	7,223	16,917 48	85,461 187	187,111 17	14,072	103,291 197	133,34	1,870*	5,530 51	50,264 13264	1,193

\* 272 by gift.  
Daily Average of Calls for 1903, 161.

Periodicals, 42

## LIST OF DONORS.

	Volumes or Pamphlets.
Abell, A. S. & Co., <i>Baltimore, Md.</i>	1
Academy of Science of St. Louis, <i>St. Louis, Mo.</i>	1
Actuarial Society of America, <i>New York, N. Y.</i>	1
Adirondack League Club, <i>New York, N. Y.</i>	5
Aguilar Free Library Society, <i>New York, N. Y.</i>	2
Alabama Department of Archives and History, <i>Montgomery, Ala.</i>	2
Alabama Medical Association, <i>Montgomery, Ala.</i>	1
Alabama Polytechnic Institute, <i>Auburn, Ala.</i>	7
Alabama, State Auditor, <i>Montgomery, Ala.</i>	6
Alexander, William, <i>New York, N. Y.</i>	1
Alliance Library, <i>Denver, Col.</i>	1
Allis-Chalmers Co., <i>Chicago, Ill.</i>	1
American Bankers Association, <i>Chicago, Ill.</i>	4
American Bell Telephone Co., <i>Boston, Mass.</i>	1
American Brewers' Review Co., <i>Chicago, Ill.</i>	2
American Climatological Association, <i>Philadelphia, Pa.</i>	2
American Federation of Labor, <i>Washington, D. C.</i>	7
American Foundrymen's Association, <i>New York, N. Y.</i>	1
American Free Trade League, <i>Boston, Mass.</i>	2
American Institute of Electrical Engineers, <i>New York, N. Y.</i>	4
American Institute of Mining Engineers, <i>New York, N. Y.</i>	2
American Iron and Steel Association, <i>Philadelphia, Pa.</i>	1
American Labor Union, <i>Butte, Mont.</i>	1
American Library Association, <i>Lincoln, Neb.</i>	2
American Mathematical Society, <i>New York, N. Y.</i>	1
American Museum of Natural History, <i>New York, N. Y.</i>	15
American Park and Outdoor Art Association, <i>Rochester, N. Y.</i>	2
American Pharmaceutical Association, <i>Baltimore, Md.</i>	1
American Protective Tariff League, <i>New York, N. Y.</i>	2
American Railway Engineering and Maintenance of Way Association, <i>Chicago, Ill.</i>	24
American Railway Master Mechanics Association, <i>Chicago, Ill.</i>	7
American Ramabai Association, <i>Boston, Mass.</i>	2
American Society of Heating and Ventilating Engineers, <i>New York, N. Y.</i>	1
American Society of Mechanical Engineers, <i>New York, N. Y.</i>	1
American Society of Naval Engineers, <i>Washington, D. C.</i>	1
American Street Railway Association, <i>Chicago, Ill.</i>	1
American Type Founders' Co., <i>Boston, Mass.</i>	1
American Water Works Association, <i>New York, N. Y.</i>	1
Amherst College, <i>Amherst, Mass.</i>	1

## LIST OF DONORS.

29

Volumes or  
Pamphlets.

Andorra Nurseries, <i>Philadelphia, Pa.</i>	2
Andover Theological Seminary, <i>Andover, Mass.</i>	1
Andrews, A. H. & Co., <i>Chicago, Ill.</i>	1
Andrews, Clement W., <i>Chicago, Ill.</i>	5
Appeal Publishing Co., <i>Girard, Kan.</i>	8
Arkansas, Bureau of Mines, Manufactures and Agriculture, <i>Little Rock, Ark.</i>	2
Armour Institute of Technology, <i>Chicago, Ill.</i>	2
Arnold, Bion J., <i>Chicago, Ill.</i>	2
Art Metal Construction Co., <i>Jamestown, N. Y.</i>	2
Association of American Physicians, <i>Philadelphia, Pa.</i>	1
Association of American Railway Accounting Officers, <i>Chicago, Ill.</i>	1
Association of Ontario Land Surveyors, <i>Toronto, Can.</i>	1
Association Parisienne des Propriétaires d'Appareils à Vapeur, <i>Paris, France</i>	1
Astronomical and Astrophysical Society of America, <i>Madison, Wis.</i>	4
Atchison, Topeka & Santa Fé Railroad Co., <i>Chicago, Ill.</i>	14
Association of American Medical Colleges, <i>Chicago, Ill.</i>	2
Athenæum, <i>Chicago, Ill.</i>	1
Atkinson, Edward, <i>Boston, Mass.</i>	5
Atlanta University, <i>Atlanta, Ga.</i>	4
Augustana College and Theological Seminary, <i>Rock Island, Ill.</i>	1
Austria, Eisenbahn-Ministerium, Amtsbibliothek, <i>Vienna, Austria.</i>	4
Bacon Pecan Co., <i>DeWitt, Ga.</i>	2
Baer, Joseph, & Co., <i>Frankfort-on-the-Main, Germany</i>	1
Baker & Co., <i>Newark, N. J.</i>	1
Baker & Taylor Co., <i>New York, N. Y.</i>	1
Balch, Prof. Edwin S., <i>Philadelphia, Pa.</i>	1
Baltimore American, <i>Baltimore, Md.</i>	1
Baltimore & Ohio Railroad Co., Relief Department, <i>Baltimore, Md.</i>	17
Baltimore Board of Trade, <i>Baltimore, Md.</i>	3
Baltimore Chamber of Commerce, <i>Baltimore, Md.</i>	1
Baltimore Charity Organization Society, <i>Baltimore, Md.</i>	1
Baltimore City Library, <i>Baltimore, Md.</i>	8
Baltimore, Police Commissin, <i>Baltimore, Md.</i>	2
Bankers Encyclopedia Co., <i>Chicago, Ill.</i>	4
Barnard, Prof. E. E., <i>Williams Bay, Wis.</i>	4
Barnhart Bros. & Spindler, <i>Chicago, Ill.</i>	3
Barr, Charles J., <i>Chicago, Ill.</i>	1
Bass, William L., <i>Brooklyn, N. Y.</i>	1
Beck, Friedrich C., <i>Basel, Switzerland.</i>	1
Belknap, William R., <i>Louisville, Ky.</i>	1
Belleville Public Library, <i>Belleville, Ill.</i>	3
Bellevue College Library, <i>Bellevue, Neb.</i>	14
Belmont Public Library, <i>Belmont, Mass.</i>	1
Beloit College Library, <i>Beloit, Wis.</i>	12
Berkshire Athenæum and Museum, <i>Pittsfield, Mass.</i>	2
Berriman, Charles J., <i>New York, N. Y.</i>	1
Betts, Samuel R., <i>New York, N. Y.</i>	1

	Volumes or Pamphlets.
Beveridge, Hon. Albert J., <i>Washington, D. C.</i> -----	1
Bible Institute Colportage Association, <i>Chicago, Ill.</i> -----	1
Bibliographical Society, <i>London, Eng.</i> -----	1
Bibliographical Society of Chicago, <i>Chicago, Ill.</i> -----	1
Biblioteca Communale, <i>Ferrara, Italy</i> -----	1
Bibliothèque de L'Utrecht, <i>Utrecht, Holland</i> -----	1
Bibliothèque Municipale de Grenoble, <i>Grenoble, France</i> -----	1
Bibliothèque Nationale de Paris, <i>Paris, France</i> -----	1
Bibliothèque Royale de Belgique, <i>Belgium, Brussels</i> -----	1
Bingham, The W., Co., <i>Cleveland, O.</i> -----	1
Birmingham Free Libraries, <i>Birmingham, Eng.</i> -----	3
Blades, East and Blades, <i>London, Eng.</i> -----	1
Bodleian Library, <i>Oxford, Eng.</i> -----	1
Boecklen, Carl, <i>Chicago, Ill.</i> -----	25
Boss, Henry R., <i>Chicago, Ill.</i> -----	16
Boston & Maine Railroad Co., <i>Boston, Mass.</i> -----	5
Boston Architectural Club, <i>Boston, Mass.</i> -----	2
Boston Asylum and Farin School, <i>Thompson Island, Mass.</i> -----	1
Boston Athenæum, <i>Boston, Mass.</i> -----	1
Boston Book Co., <i>Boston, Mass.</i> -----	2
Boston Chamber of Commerce, <i>Boston, Mass.</i> -----	1
Boston Children's Aid Society, <i>Boston, Mass.</i> -----	3
Boston City Hospital, <i>Boston, Mass.</i> -----	2
Boston, Harbor and Land Commissioners, <i>Boston, Mass.</i> -----	1
Boston Manufacturers Mutual Fire Insurance Co., <i>Boston, Mass.</i> -----	16
Boston Medical Library, <i>Boston, Mass.</i> -----	6
Boston Museum of Fine Arts, <i>Boston, Mass.</i> -----	4
Boston Public Library, <i>Boston, Mass.</i> -----	6
Boston Record Commissioners, <i>Boston, Mass.</i> -----	6
Boston, Statistics Department, <i>Boston, Mass.</i> -----	5
Boston Transit Commission, <i>Boston, Mass.</i> -----	1
Boston University, <i>Boston, Mass.</i> -----	2
Bournemouth Public Libraries Committee, <i>Bournemouth, Eng.</i> -----	1
Bowdoin College Library, <i>Brunswick, Me.</i> -----	7
Bridgeport Public Library, <i>Bridgeport, Conn.</i> -----	1
Bristol Museum and Reference Library, <i>Bristol, Eng.</i> -----	1
British Columbia, Bureau of Provincial Information and Immigration, <i>Victoria, B. C.</i> -----	14
Britnell, Albert, <i>Toronto, Can.</i> -----	2
Brockton Public Library, <i>Brockton, Mass.</i> -----	2
Bronson Library, <i>Waterbury, Conn.</i> -----	1
Brookline Public Library, <i>Brookline, Mass.</i> -----	31
Brooklyn Eagle, <i>Brooklyn, N. Y.</i> -----	5
Brooklyn Engineers Club, <i>Brooklyn, N. Y.</i> -----	1
Brooklyn Institute of Arts and Sciences, <i>Brooklyn, N. Y.</i> -----	10
Brooklyn Public Library, <i>Brooklyn, N. Y.</i> -----	2
Brotherhood of Locomotive Engineers, <i>Cleveland, O.</i> -----	1
Brown & Sharp Manufacturing Co., <i>Providence, R. I.</i> -----	1
Brown, Henry J., <i>London, Eng.</i> -----	1
Brown University, <i>Providence, R. I.</i> -----	147

## LIST OF DONORS.

31

Volumes or  
Pamphlets.

Buffalo, Board of Police, <i>Buffalo, N. Y.</i> -----	6
Buffalo, Comptroller, <i>Buffalo, N. Y.</i> -----	3
Buffalo, Department of Health, <i>Buffalo, N. Y.</i> -----	1
Buffalo Park Commissioners, <i>Buffalo, N. Y.</i> -----	6
Buffalo Public Library, <i>Buffalo, N. Y.</i> -----	3
Buffalo Society of Natural Sciences, <i>Buffalo, N. Y.</i> -----	2
Bullard Machine Tool Co., <i>Bridgeport, Conn.</i> -----	1
Bunau-Varilla, Philippe, <i>New York, N. Y.</i> -----	2
Burlington Free Public Library, <i>Burlington, Ia.</i> -----	1
Bussey Institute, <i>Jamaica Plain, Mass.</i> -----	1
Butterworth, Theodore A., <i>Chicago, Ill.</i> -----	2
California Academy of Sciences, <i>San Francisco, Cal.</i> -----	3
California, Board of Trade, <i>San Francisco, Cal.</i> -----	2
California, Bureau of Labor Statistics, <i>Sacramento, Cal.</i> -----	1
California Miners' Association, <i>San Francisco, Cal.</i> -----	3
California Socialist, <i>San Francisco, Cal.</i> -----	1
California State Library, <i>Sacramento, Cal.</i> -----	3
Calumet & Chicago Canal & Dock Co., <i>Chicago, Ill.</i> -----	1
Cambridge, Board of Health, <i>Cambridge, Mass.</i> -----	3
Cambridge, City Council, <i>Cambridge, Mass.</i> -----	1
Cambridge, Messenger's Office, <i>Cambridge, Mass.</i> -----	2
Cambridge, Park Department, <i>Cambridge, Mass.</i> -----	1
Cambridge Public Library, <i>Cambridge, Mass.</i> -----	2
Cambridge University Library, <i>Cambridge, Eng.</i> -----	1
Canada, Census Office, <i>Ottawa, Can.</i> -----	18
Canada, Department of Agriculture, <i>Ottawa, Can.</i> -----	2
Canada, Department of the Interior, <i>Ottawa, Can.</i> -----	6
Canada, Department of Labor, <i>Ottawa, Can.</i> -----	2
Canada, Geological Survey, <i>Ottawa, Can.</i> -----	2
Canada, Parliament Library, <i>Ottawa, Can.</i> -----	4
Canada, Superintendent of Immigration, <i>Ottawa, Can.</i> -----	1
Canadian Institute, <i>Toronto, Can.</i> -----	1
Canadian Pacific Railway Co., <i>Chicago, Ill.</i> -----	69
Canadian Society of Civil Engineers, <i>Montreal, Can.</i> -----	4
Carleton College, <i>Northfield, Minn.</i> -----	4
Carnegie Free Library, <i>Allegheny, Pa.</i> -----	2
Carnegie Institute, <i>Pittsburgh, Pa.</i> -----	5
Carnegie Institution of Washington, <i>Washington, D. C.</i> -----	1
Carnegie Library, <i>Atlanta, Ga.</i> -----	7
Carnegie Library, <i>Homestead, Pa.</i> -----	2
Carnegie Library, <i>Pittsburgh, Pa.</i> -----	4
Carnegie Museum, <i>Pittsburgh, Pa.</i> -----	3
Carnegie Public Library, <i>Bradford, Pa.</i> -----	5
Carson, Luella C., <i>Eugene, Ore.</i> -----	1
Catholic University of America, <i>Washington, D. C.</i> -----	1
Cedar Rapids Free Public Library, <i>Cedar Rapids, Ia.</i> -----	1
Central Electric Co., <i>Chicago, Ill.</i> -----	2
Central Free Dispensary, <i>Chicago, Ill.</i> -----	2
Charity Organization Society, <i>London, Eng.</i> -----	3
Chautauqua Institution, <i>Chautauqua, N. Y.</i> -----	1

## LIST OF DONORS.

	Volumes or Pamphlets.
Chautauqua School of Expression, <i>Chautauqua, N. Y.</i> -----	1
Chicago Academy of Sciences, <i>Chicago, Ill.</i> -----	1
Chicago & Alton Railway Co., <i>Chicago, Ill.</i> -----	3
Chicago & Eastern Illinois Railroad Co., <i>Chicago, Ill.</i> -----	3
Chicago & North-Western Railway Co., <i>Chicago, Ill.</i> -----	1
Chicago Art Institute, <i>Chicago, Ill.</i> -----	12
Chicago Banker Co., <i>Chicago, Ill.</i> -----	3
Chicago, Board of Education, <i>Chicago, Ill.</i> -----	29
Chicago Board of Trade, <i>Chicago, Ill.</i> -----	1
Chicago, Board of Trustees of Sanitary District, <i>Chicago, Ill.</i> -----	4
Chicago Bureau of Charities, <i>Chicago, Ill.</i> -----	1
Chicago Bureau of Justice, <i>Chicago, Ill.</i> -----	1
Chicago Business Law School, <i>Chicago, Ill.</i> -----	1
Chicago, City Council, <i>Chicago, Ill.</i> -----	4
Chicago Civic Federation, <i>Chicago, Ill.</i> -----	2
Chicago College of Pharmacy, <i>Chicago, Ill.</i> -----	2
Chicago Commons, <i>Chicago, Ill.</i> -----	1
Chicago Daily News, <i>Chicago, Ill.</i> -----	1
Chicago, Department of Electricity, <i>Chicago, Ill.</i> -----	2
Chicago, Department of Finance, <i>Chicago, Ill.</i> -----	3
Chicago, Department of Health, <i>Chicago, Ill.</i> -----	3
Chicago, Department of Public Works, <i>Chicago, Ill.</i> -----	1
Chicago Great Western Railway Co., <i>Chicago, Ill.</i> -----	3
Chicago Historical Society, <i>Chicago, Ill.</i> -----	2
Chicago Law Institute, <i>Chicago, Ill.</i> -----	2
Chicago Law School, <i>Chicago, Ill.</i> -----	4
Chicago Literary Club, <i>Chicago, Ill.</i> -----	1
Chicago Lying-in Hospital and Dispensary, <i>Chicago, Ill.</i> -----	3
Chicago Mercy Hospital, <i>Chicago, Ill.</i> -----	7
Chicago, Milwaukee & St. Paul Railway Co., <i>Chicago, Ill.</i> -----	3
Chicago Municipal Library and Bureau of Statistics, <i>Chicago, Ill.</i> -----	1
Chicago Orphan Asylum, <i>Chicago, Ill.</i> -----	1
Chicago Public Library, <i>Chicago, Ill.</i> -----	9
Chicago Real Estate Board, <i>Chicago, Ill.</i> -----	1
Chicago Relief and Aid Society, <i>Chicago, Ill.</i> -----	1
Chicago, Rock Island & Pacific Railway Co., <i>Chicago, Ill.</i> -----	5
Chicago, St. Paul, Minneapolis & Omaha Railway Co., <i>Chicago, Ill.</i> -----	6
Chicago Telephone Co., <i>Chicago, Ill.</i> -----	2
Chicago Women's Club, <i>Chicago, Ill.</i> -----	1
Cincinnati, Board of Education, <i>Cincinnati, O.</i> -----	4
Cincinnati, Commissioners of Water Works, <i>Cincinnati, O.</i> -----	2
Cincinnati Hospital, <i>Cincinnati, O.</i> -----	2
Cincinnati Public Library, <i>Cincinnati, O.</i> -----	11
Cincinnati Society of Natural History, <i>Cincinnati, O.</i> -----	1
Cincinnati Water Department, <i>Cincinnati, O.</i> -----	1
Citizens' Association of Chicago, <i>Chicago, Ill.</i> -----	3
Civic Club of Philadelphia, <i>Philadelphia, Pa.</i> -----	4
Clark, H. Walton, <i>Chicago, Ill.</i> -----	1
Clark, Ulysses, <i>San José, Cal.</i> -----	68
Clarke & Baker, <i>New York, N. Y.</i> -----	4

## LIST OF DONORS.

33

Volumes or  
Pamphlets.

Classen, Alexander, <i>Aachen, Germany</i> .....	2
Cleveland, Board of Education, <i>Cleveland, O.</i> .....	6
Cleveland Public Library, <i>Cleveland, O.</i> .....	1
Cling-Surface Manufacturing Co., <i>Chicago, Ill.</i> .....	1
Cobden Club, <i>London, Eng.</i> .....	29
Colby, Albert L., <i>Bethlehem, Pa.</i> .....	1
Cole, Frank T., <i>Columbus, O.</i> .....	1
College of Medicine, <i>Tokyo, Japan</i> .....	1
Colorado, Auditor of State, <i>Denver, Col.</i> .....	2
Colorado, Bureau of Labor Statistics, <i>Denver, Col.</i> .....	1
Colorado College, <i>Colorado Springs, Col.</i> .....	1
Colorado School of Mines, <i>Golden, Col.</i> .....	2
Colorado State Agricultural College, <i>Fort Collins, Col.</i> .....	20
Colorado State Board of Health, <i>Denver, Col.</i> .....	2
Colorado State Board of Horticulture, <i>Denver, Col.</i> .....	1
Colorado State Engineer, <i>Denver, Col.</i> .....	1
Columbia University, <i>New York, N. Y.</i> .....	33
Columbia University, Library, <i>New York, N. Y.</i> .....	2
Coming Nation, <i>Rich Hill, Mo.</i> .....	1
Commercial National Bank, <i>Chicago, Ill.</i> .....	2
Concord Public Library, <i>Concord, N. H.</i> .....	1
Connecticut Agricultural Experiment Station, <i>New Haven, Conn.</i> .....	8
Connecticut, Bureau of Labor Statistics, <i>Hartford, Conn.</i> .....	1
Connecticut Historical Society, <i>Hartford, Conn.</i> .....	2
Connecticut, Railroad Commissioners, <i>Hartford, Conn.</i> .....	5
Connecticut Society of Civil Engineers, <i>New Haven, Conn.</i> .....	1
Connecticut State Board of Health, <i>New Haven, Conn.</i> .....	1
Connecticut State Library, <i>Hartford, Conn.</i> .....	75
Conwell, Clarke, <i>New Rochelle, N. Y.</i> .....	3
Cook County Commissioners, <i>Chicago, Ill.</i> .....	9
Cooper Union for the Advancement of Science and Art, <i>New York, N. Y.</i> .....	4
Co-operative Common-Wealth Association, <i>St. Louis, Mo.</i> .....	1
Cornell College, <i>Mount Vernon, Ia.</i> .....	4
Cornell University, <i>Ithaca, N. Y.</i> .....	8
Cornell University Agricultural Experiment Station, <i>Ithaca, N. Y.</i> .....	6
Council Bluffs Free Public Library, <i>Council Bluffs, Ia.</i> .....	14
Covel Manufacturing Co., <i>Chicago, Ill.</i> .....	1
Cranbrook Press, <i>Detroit, Mich.</i> .....	1
Crandall, Bruce V., <i>Chicago, Ill.</i> .....	1
Craz & Gerlach'sche Buchhandlung, <i>Freiburg, Saxony</i> .....	1
Crum, B. P., <i>Montgomery, Ala.</i> .....	1
Cullerton, Edward F., <i>Chicago, Ill.</i> .....	1
Cutter Electrical & Manufacturing Co., <i>Philadelphia, Pa.</i> .....	1
Dana, John C., <i>Newark, N. J.</i> .....	1
Dartmouth College, <i>Hanover, N. H.</i> .....	4
Davidson, George, <i>San Francisco, Cal.</i> .....	2
Davis, Nathan S., <i>Chicago, Ill.</i> .....	2
Dayton Public Library and Museum, <i>Dayton, O.</i> .....	1
De La Vergne Refrigerating Machine Co., <i>New York, N. Y.</i> .....	4

## LIST OF DONORS.

	Volumes or Pamphlets.
Delaware College, Agricultural Experiment Station, <i>Newark, Del.</i>	4
Delaware State Library, <i>Dover, Del.</i>	2
Denver & Rio Grande Railroad Co., <i>Denver, Col.</i>	10
De Pauw University, <i>Greencastle, Ind.</i>	3
Des Moines Public Library, <i>Des Moines, Ia.</i>	4
Detroit, City Controller, <i>Detroit, Mich.</i>	6
Detroit, Commissioner of Parks and Boulevards, <i>Detroit, Mich.</i>	1
Detroit, Common Council, <i>Detroit, Mich.</i>	3
Detroit Public Library, <i>Detroit, Mich.</i>	4
Detroit Public Lighting Commission, <i>Detroit, Mich.</i>	3
District of Columbia, Public Library, <i>Washington, D. C.</i>	5
Dixson, <i>Mrs. Zella A., Chicago, Ill.</i>	1
Dodd, Mead & Co., <i>New York, N. Y.</i>	1
Donald, F. C., <i>Chicago, Ill.</i>	1
Donnelley, R. R., & Sons Co., <i>Chicago, Ill.</i>	1
Dorflinger, C., & Sons, <i>New York, N. Y.</i>	1
Douai Bibliothèque Publique, <i>Douai, France</i>	2
Downing, A. M. W., <i>London, Eng.</i>	1
Draper Publishing Co., <i>Chicago, Ill.</i>	1
Drexel Institute of Art, Science and Industry, <i>Philadelphia, Pa.</i>	10
Duluth Public Library, <i>Duluth, Minn.</i>	1
Dun, R. G. & Co., <i>New York, N. Y.</i>	2
Eastern Illinois State Normal School, <i>Charleston, Ill.</i>	2
Eddy, Arthur J., <i>Chicago, Ill.</i>	1
Ehrlich, Frederich, <i>New York, N. Y.</i>	1
Electricity Newspaper Co., <i>New York, N. Y.</i>	2
Elisha Mitchell Scientific Society, <i>Chapel Hill, N. C.</i>	1
Ely, Richard T., <i>Madison, Wis.</i>	10
Emmons, G. T., <i>New York, N. Y.</i>	1
Engineering Association of New South Wales, <i>Sydney, Australia</i>	1
Enoch Pratt Free Library, <i>Baltimore, Md.</i>	1
Ensign, F. G., <i>Chicago, Ill.</i>	5
Erie Public Library, <i>Erie, Pa.</i>	1
Essex Institute, <i>Salem, Mass.</i>	1
Evanston Public Library, <i>Evanston, Ill.</i>	3
Exponet, <i>Saginaw, Mich.</i>	1
Fairmont Park Art Association, <i>Philadelphia, Pa.</i>	1
Federal Finance Co., <i>Minneapolis, Minn.</i>	1
Federation of Churches, <i>New York, N. Y.</i>	9
Field Columbian Museum, <i>Chicago, Ill.</i>	10
Fisk & Robinson, <i>New York, N. Y.</i>	1
Fletcher Free Library, <i>Burlington, Vt.</i>	1
Fletcher Memorial Library, <i>Ludlow, Vt.</i>	1
Florida, Department of Agriculture, <i>Tallahassee, Fla.</i>	2
Florida, Railroad Commissioner, <i>Tallahassee, Fla.</i>	7
Florida State Agricultural College, Experiment Station, <i>Lake City, Fla.</i>	10
Florida, State Chemist, <i>Tallahassee, Fla.</i>	1
Forbes Library, <i>Northampton, Mass.</i>	1
Fort Wayne Electric Works, <i>Fort Wayne, Ind.</i>	22

## LIST OF DONORS.

35

Volumes or  
Pamphlets.

Fort Worth & Denver City Railway Co., <i>Fort Worth, Tex.</i>	3
Francis, David R., <i>St. Louis, Mo.</i>	1
Frankfurt-am-Main Stadtbibliothek, <i>Frankfort-on-the-Main, Germany</i>	1
Franklin and Marshall College, <i>Lancaster, Pa.</i>	1
Friedlander & Co., <i>Chicago, Ill.</i>	1
Furness, Giulielmi E., <i>Chicago, Ill.</i>	25
Gainesville Nurseries, <i>Gainesville, Fla.</i>	1
Galesburg Public Library, <i>Galesburg, Ill.</i>	1
Garrett Biblical Institute, <i>Evanston, Ill.</i>	3
Gattinger, Dr. Augustin, <i>Nashville, Tenn.</i>	1
Gauthier Villars et Fils, <i>Paris, France</i>	2
General Electric Co., <i>Schenectady, N. Y.</i>	71
General Fireproofing Co., <i>Youngstown, O.</i>	2
General Society of Mechanics and Tradesmen of New York, <i>New York, N. Y.</i>	4
Geneva, Bibliothèque Publique, <i>Geneva, Switzerland</i>	1
Geneva, Chamber of Commerce, <i>Geneva, N. Y.</i>	1
Georgetown University, <i>Washington, D. C.</i>	4
Georgia Agricultural Experiment Station, <i>Experiment, Ga.</i>	4
Georgia, Board of Entomology, <i>Atlanta, Ga.</i>	4
Georgia Geological Survey, <i>Atlanta, Ga.</i>	3
Georgia, Railroad Commission, <i>Atlanta, Ga.</i>	5
Georgia State Horticultural Society, <i>Augusta, Ga.</i>	6
German Kali Works, <i>New York, N. Y.</i>	7
Ginn & Co., <i>Boston, Mass.</i>	1
Glen Saint Mary Nurseries, <i>Glen Saint Mary, Fla.</i>	1
Goheen Manufacturing Co., <i>Canton, O.</i>	1
Goodman Manufacturing Co., <i>Chicago, Ill.</i>	1
Goodwin, Prof. Harry M., <i>Boston, Mass.</i>	1
Gookin, Frederick W., <i>Chicago, Ill.</i>	3
Grand Army of the Republic, Abraham Lincoln Post, <i>Chicago, Ill.</i>	1
Grand Commandery, Knights Templar, <i>Topeka, Kan.</i>	2
Grand Rapids & Indiana Railway Co., <i>Grand Rapids, Mich.</i>	1
Grand Rapids, City Comptroller, <i>Grand Rapids, Mich.</i>	1
Gray, Henry, <i>London, Eng.</i>	1
Gray, Mrs. Maggie M., <i>Chicago, Ill.</i>	5
Great Britain, Patent Office Library, <i>London, Eng.</i>	4
Great Western Railway Co., <i>Chicago, Ill.</i>	3
Greenville College, <i>Greenville, Ill.</i>	1
Gregory Electric Co., <i>Chicago, Ill.</i>	1
Grosvenor Library, <i>Buffalo, N. Y.</i>	1
Groton Public Library, <i>Groton, Mass.</i>	1
Guild of Women Binders, <i>London, Eng.</i>	2
Hamburg, Stadtbibliothek, <i>Hamburg, Germany</i>	1
Hamilton Public Library, <i>Hamilton, Can.</i>	1
Hamor, W. J., <i>Altoona, Pa.</i>	1
Harper & Bros., <i>New York, N. Y.</i>	1
Harper, Francis P., <i>New York, N. Y.</i>	1
Hart, Lee M., <i>Chicago, Ill.</i>	1

## LIST OF DONORS.

	Volumes or Pamphlets.
Hartford College of Religious Pedagogy, <i>Hartford, Conn.</i> -----	1
Hartford Public Library, <i>Hartford, Conn.</i> -----	1
Hartford Theological Seminary, <i>Hartford, Conn.</i> -----	1
Harvard Medical Alumni Association, <i>Cambridge, Mass.</i> -----	2
Harvard University, <i>Cambridge, Mass.</i> -----	7
Harvard University, Astronomical Observatory, <i>Cambridge, Mass.</i> -----	6
Harvard University, Library, <i>Cambridge, Mass.</i> -----	2
Harvard University, Museum of Comparative Zoölogy, <i>Cambridge, Mass.</i> -----	4
Haverford College, <i>Haverford, Pa.</i> -----	1
Haverhill Public Library, <i>Haverhill, Mass.</i> -----	2
Hawaii Promotion Committee, <i>Honolulu, Hawaii</i> -----	3
Hawley, Mary E., <i>Chicago, Ill.</i> -----	16
Hazlitt, George K., & Co., <i>Chicago, Ill.</i> -----	1
Heald, George W., <i>Chicago, Ill.</i> -----	26
Heath, D. C. & Co., <i>Chicago, Ill.</i> -----	2
Hedding College, <i>Abingdon, Ill.</i> -----	4
Heilprin, Prof. Angelo, <i>Philadelphia, Pa.</i> -----	1
Helena Public Library, <i>Helena, Mont.</i> -----	2
Higgins Standard Oil Co., <i>Beaumont, Tex.</i> -----	1
Hill, W. C., <i>Chicago, Ill.</i> -----	1
Hills, Frederick S., <i>Albany, N. Y.</i> -----	2
Hinners, Albert E., <i>Virginia, Ill.</i> -----	1
Holingsworth, C. B. and A. B., <i>London, Eng.</i> -----	7
Home for Aged Jews of Chicago, <i>Chicago, Ill.</i> -----	1
Hooker, George E., <i>Chicago, Ill.</i> -----	8
Hopkins, Anderson H., <i>Louisville, Ky.</i> -----	27
Horton, J. Willis, <i>Chicago, Ill.</i> -----	1
Houghton, Mifflin & Co., <i>Boston, Mass.</i> -----	1
Howard Memorial Library, <i>New Orleans, La.</i> -----	2
Huyette, M. C., <i>Chicago, Ill.</i> -----	2
Hyde, William H., and McManman, John A., <i>Milwaukee, Wis.</i> -----	1
Hyde Park Protective Association, <i>Chicago, Ill.</i> -----	3
Illinois Asylum for Feeble-Minded Children, <i>Lincoln, Ill.</i> -----	1
Illinois Asylum for Incurable Insane, <i>Peoria, Ill.</i> -----	1
Illinois Asylum for Insane Criminals, <i>Menard, Ill.</i> -----	1
Illinois, Auditor of Public Accounts, <i>Springfield, Ill.</i> -----	9
Illinois, Board of Examiners of Architects, <i>Chicago, Ill.</i> -----	2
Illinois, Board of Public Charities, <i>Springfield, Ill.</i> -----	1
Illinois, Bureau of Labor Statistics, <i>Springfield, Ill.</i> -----	1
Illinois, Canal Commissioners, <i>Lockport, Ill.</i> -----	1
Illinois Central Hospital for Insane, <i>Jacksonville, Ill.</i> -----	1
Illinois Central Railroad Co., <i>Chicago, Ill.</i> -----	2
Illinois Charitable Eye and Ear Infirmary, <i>Chicago, Ill.</i> -----	1
Illinois Eastern Hospital for the Insane, <i>Kankakee, Ill.</i> -----	1
Illinois, Factory Inspector, <i>Chicago, Ill.</i> -----	1
Illinois Humane Society, <i>Chicago, Ill.</i> -----	3
Illinois Institution for the Education of the Blind, <i>Jacksonville, Ill.</i> -----	1
Illinois Masonic Home for the Aged, <i>Chicago, Ill.</i> -----	1
Illinois Northern Hospital for the Insane, <i>Elgin, Ill.</i> -----	1

## LIST OF DONORS.

37

Volumes or  
Pamphlets.

Illinois, Railroad and Warehouse Commission, <i>Springfield, Ill.</i> .....	3
Illinois St. Andrew's Society, <i>Chicago, Ill.</i> .....	1
Illinois, Secretary of State, <i>Springfield, Ill.</i> .....	10
Illinois Society of Engineers and Surveyors, <i>Chicago, Ill.</i> .....	38
Illinois Soldiers' and Sailors' Home, <i>Quincy, Ill.</i> .....	1
Illinois Soldiers' Orphans' Home, <i>Normal, Ill.</i> .....	2
Illinois Southern Hospital for the Insane, <i>Anna, Ill.</i> .....	1
Illinois State Board of Agriculture, <i>Springfield, Ill.</i> .....	6
Illinois State Board of Arbitration, <i>Springfield, Ill.</i> .....	2
Illinois State Board of Health, <i>Springfield, Ill.</i> .....	2
Illinois State Board of Live Stock Commissioners, <i>Springfield, Ill.</i> .....	1
Illinois State Board of Pharmacy, <i>Springfield, Ill.</i> .....	1
Illinois State Fish Commission, <i>Quincy, Ill.</i> .....	1
Illinois State Historical Library, <i>Springfield, Ill.</i> .....	2
Illinois State Laboratory of Natural History, <i>Urbana, Ill.</i> .....	7
Illinois State Library, <i>Springfield, Ill.</i> .....	2
Illinois State Normal University, <i>Normal, Ill.</i> .....	6
Illinois State Penitentiary, <i>Joliet, Ill.</i> .....	1
Illinois State Reformatory, <i>Pontiac, Ill.</i> .....	2
Illinois State Training School for Girls, <i>Geneva, Ill.</i> .....	3
Illinois, Superintendent of Public Instruction, <i>Springfield, Ill.</i> .....	1
Illinois Western Hospital for the Insane, <i>Watertown, Ill.</i> .....	1
Immigration Restriction League, <i>Boston, Mass.</i> .....	20
Imperial Library, <i>Tokyo, Japan</i> .....	2
Indiana, Board of State Charities, <i>Indianapolis, Ind.</i> .....	1
Indiana, Climate and Crop Service, <i>Indianapolis, Ind.</i> .....	3
Indiana, Secretary of State, <i>Indianapolis, Ind.</i> .....	2
Indiana State Board of Health, <i>Indianapolis, Ind.</i> .....	2
Indiana State Library, <i>Indianapolis, Ind.</i> .....	80
Indiana University, <i>Bloomington, Ind.</i> .....	2
Indianapolis Public Library, <i>Indianapolis, Ind.</i> .....	2
Ingold, A. M. P., <i>Colmar, Germany</i> .....	1
Inland Type Foundry, <i>Chicago, Ill.</i> .....	2
Institute of Actuaries, <i>London, Eng.</i> .....	1
Institution of Civil Engineers, <i>London, Eng.</i> .....	6
Instituto Geológico de México, <i>Mexico City, Mexico</i> .....	1
International Bureau of the American Republics, <i>Washington, D.C.</i> .....	3
International Harvester Co., Deering Division, <i>Chicago, Ill.</i> .....	1
International Textbook Co., <i>Chicago, Ill.</i> .....	1
Interstate Commerce Commission, <i>Washington, D. C.</i> .....	2
Iowa Academy of Science, <i>Des Moines, Ia.</i> .....	2
Iowa College Library, <i>Grinnell, Ia.</i> .....	1
Iowa Geological Survey, <i>Des Moines, Ia.</i> .....	1
Iowa Historical Department, <i>Des Moines, Ia.</i> .....	1
Iowa Masonic Library, <i>Des Moines, Ia.</i> .....	1
Iowa, Railroad Commission, <i>Des Moines, Ia.</i> .....	1
Iowa Socialist Publishing Co., <i>Dubuque, Ia.</i> .....	2
Iowa State Board of Health, <i>Des Moines, Ia.</i> .....	1
Iowa State College of Agriculture and Mechanic Arts, <i>Ames, Ia.</i> .....	75
Iowa State Horticultural Society, <i>Des Moines, Ia.</i> .....	2

## LIST OF DONORS.

	Volumes or Pamphlets.
Iowa State Library, <i>Des Moines, Ia.</i> .....	1
Iowa State Mine Inspector, <i>Des Moines, Ia.</i> .....	1
Iowa State Normal School, <i>Cedar Falls, Ia.</i> .....	2
Isaacs, A. Lionel, <i>London, Eng.</i> .....	1
J. Herman Bosler Memorial Library, <i>Carlisle, Pa.</i> .....	1
Jackson Health Resort, <i>Dansville, N. Y.</i> .....	1
James Blackstone Memorial Library, <i>Branford, Conn.</i> .....	1
Japan, Department of Finance, <i>Tokyo, Japan</i> .....	2
Jeffrey Manufacturing Co., <i>Columbus, O.</i> .....	1
Jersey City Free Public Library, <i>Jersey City, N. J.</i> .....	2
Jewish Charities of Chicago, <i>Chicago, Ill.</i> .....	2
Jewish Training School, <i>Chicago, Ill.</i> .....	1
John F. Slater Fund Trustees, <i>Washington, D. C.</i> .....	1
John Marshall Law School, <i>Chicago, Ill.</i> .....	1
John Rylands Library, <i>Manchester, Eng.</i> .....	2
Johns Hopkins University, <i>Baltimore, Md.</i> .....	2
Jones, Gardner M., <i>Salem, Mass.</i> .....	1
Josephson, Aksel G. S., <i>Chicago, Ill.</i> .....	6
Junior Republic Citizen, <i>Freeville, N. Y.</i> .....	1
Kaehler, Max, & Martini, <i>Berlin, Germany</i> .....	2
Kansas Academy of Science, <i>Topeka, Kan.</i> .....	1
Kansas, Bureau of Labor and Industrial Statistics, <i>Topeka, Kan.</i> .....	2
Kansas City Public Library, <i>Kansas City, Mo.</i> .....	1
Kansas City Southern Railway Co., <i>Kansas City, Mo.</i> .....	1
Kansas State Agricultural College, <i>Manhattan, Kan.</i> .....	7
Kansas State Agriculture College, Experiment Station, <i>Manhattan, Kan.</i> .....	15
Kansas State Board of Agriculture, <i>Topeka, Kan.</i> .....	3
Kansas State Board of Health, <i>Topeka, Kan.</i> .....	1
Kansas Traveling Libraries Commission, <i>Topeka, Kan.</i> .....	1
Kansas University, <i>Lawrence, Kan.</i> .....	2
Keiser, James R., <i>New York, N. Y.</i> .....	2
Kentucky, Agricultural Experiment Station, <i>Lexington, Ky.</i> .....	7
Kentucky State Board of Health, <i>Bowling Green, Ky.</i> .....	1
Keogh, Andrew, <i>New Haven, Conn.</i> .....	1
Kern Incandescent Gas Light Co., <i>Chicago, Ill.</i> .....	1
Keuffel & Esser Co., <i>New York, N. Y.</i> .....	1
Keystone Electrical Instrument Co., <i>Philadelphia, Pa.</i> .....	6
Kimball, Duran, <i>Downers Grove, Ill.</i> .....	4
King, Hodenpyl & Co., <i>Chicago, Ill.</i> .....	4
Kirgate Press, <i>Canton, Pa.</i> .....	1
Klemm, Georg, <i>Berlin, Germany</i> .....	1
Koechl, Victor & Co., <i>New York, N. Y.</i> .....	3
Kongelige Bibliothek, <i>Copenhagen, Denmark</i> .....	2
Kongelige Norske Frederiks Universitetet, <i>Christiania, Norway</i> .....	6
Kongliga Universitets-Biblioteket, <i>Upsala, Sweden</i> .....	4
Königliche Bergakademie und Bergschule, <i>Clausthal, Germany</i> .....	2
Königliche Preussische Akademie der Wissenschaften, <i>Berlin, Germany</i> .....	1
Königliche und Universitäts-Bibliothek, <i>Königsberg, Prussia</i> .....	2

## LIST OF DONORS.

39

Volumes or  
Pamphlets.

Königliche Universitäts-Bibliothek, <i>Berlin, Germany</i> -----	1
Königliche Universitäts-Bibliothek, <i>Göttingen, Germany</i> -----	3
Königliche Universitäts-Bibliothek, <i>Marburg, Germany</i> -----	1
Königliche Universitäts-Bibliothek, <i>Munich, Germany</i> -----	2
Königliche Universitäts- und Landes-Bibliothek, <i>Strasburg, Germany</i> -----	21
Königliches Oberbergamt, <i>Clausthal, Germany</i> -----	2
Lacey, Hon. John, <i>Washington, D. C.</i> -----	2
Lafayette College, <i>Easton, Pa.</i> -----	3
Lake Forest University, <i>Lake Forest, Ill.</i> -----	4
Lake Mohonk Conference on International Arbitration, <i>Mohonk Lake, N. Y.</i> -----	1
Lake Shore & Michigan Southern Railway Co., <i>Cleveland, O.</i> -----	7
Lake Superior Mining Institute, <i>Ishpeming, Mich.</i> -----	1
Lancaster Town Library, <i>Lancaster, Mass.</i> -----	1
Lands Plantentuin, <i>Buitenzorg, Java</i> -----	7
La Plata, Secretaria de la Facultad de Agronomia y Veterinaria, <i>La Plata, South America</i> -----	4
Läroverks Kommitteen, <i>Stockholm, Sweden</i> -----	3
Lawrence, Board of Health, <i>Lawrence, N. Y.</i> -----	1
Lawrence Public Library, <i>Lawrence, Mass.</i> -----	1
League of American Municipalities, <i>Des Moines, Ia.</i> -----	1
Leeds Free Public Libraries, <i>Leeds, Eng.</i> -----	1
Lehigh University, <i>South Bethlehem, Pa.</i> -----	2
Leland Stanford Junior University, <i>Stanford University, Cal.</i> -----	2
Lemcke & Buechner, <i>New York, N. Y.</i> -----	11
Letchworth, William P., <i>Glen Iris, N. Y.</i> -----	2
Lewis Institute, <i>Chicago, Ill.</i> -----	*444
Lieberthal, Dr. David, <i>Chicago, Ill.</i> -----	2
Librairie Damascene Morgand, <i>Paris, France</i> -----	2
Library Association of Australasia, <i>Melbourne, Australia</i> -----	1
Library Association of Portland, <i>Portland, Ore.</i> -----	2
Library Bureau, <i>Chicago, Ill.</i> -----	2
Library Company of Philadelphia, <i>Philadelphia, Pa.</i> -----	2
Library of Congress, <i>Washington, D. C.</i> -----	90
Light Publishing Co., <i>New York, N. Y.</i> -----	1
Lincoln College, <i>Lincoln, Ill.</i> -----	1
Liverpool Free Public Library, <i>Liverpool, Eng.</i> -----	2
Lloyd Brothers, <i>Cincinnati, O.</i> -----	6
Local Los Angeles Socialist Party, <i>Los Angeles, Cal.</i> -----	1
Long, J. H., <i>Chicago, Ill.</i> -----	4
Longmans, Green & Co., <i>New York, N. Y.</i> -----	1
Los Angeles Public Library, <i>Los Angeles, Cal.</i> -----	2
Louisiana Geological Survey, <i>Baton Rouge, La.</i> -----	2
Louisiana Purchase Exposition, <i>St. Louis, Mo.</i> -----	2
Louisiana, Secretary of State, <i>Baton Rouge, La.</i> -----	1
Louisiana, Sugar Experiment Station, <i>New Orleans, La.</i> -----	2
Lowdermilk, W. H., & Co., <i>Washington, D. C.</i> -----	1
Lowell City Library, <i>Lowell, Mass.</i> -----	2

\* Estimated.

## LIST OF DONORS.

	Volumes or Pamphlets.
Lübeck, Stadtbibliothek, <i>Lübeck, Germany</i> .....	1
Lundstedt, Bernhard, <i>Stockholm, Sweden</i> .....	1
Lynn Public Library, <i>Lynn, Mass.</i> .....	1
Mabery, Prof. Charles F., <i>Cleveland, O.</i> .....	1
McCarthy, Gerald, <i>Raleigh, N. C.</i> .....	1
McClurg, A. C., & Co., <i>Chicago, Ill.</i> .....	7
McGill University, <i>Montreal, Can.</i> .....	8
McPike, E. F., <i>Chicago, Ill.</i> .....	1
Madison, Board of Water Commissioners, <i>Madison, Wis.</i> .....	1
Mahin, John L., <i>Chicago, Ill.</i> .....	1
Maine, Agricultural Experiment Station, <i>Orono, Me.</i> .....	10
Maine, Bureau of Industrial and Labor Statistics, <i>Augusta, Me.</i> .....	1
Maine Educational Department, <i>Augusta, Me.</i> .....	2
Maine State Board of Health, <i>Augusta, Me.</i> .....	2
Maine State Board of Trade, <i>Bangor, Me.</i> .....	3
Maine, State Library, <i>Augusta, Me.</i> .....	17
Manchester Free Reference Library, <i>Manchester, Eng.</i> .....	1
Mann, Hon. James R., <i>Washington, D. C.</i> .....	14
Manufacturers & Mechanics Library Association, <i>Lewiston, Me.</i> .....	1
Mariner & Hoskins, <i>Chicago, Ill.</i> .....	250
Martin, Henry, <i>Paris, France</i> .....	1
Maryland, Agricultural Experiment Station, <i>College Park, Md.</i> .....	1
Maryland Geological Survey, <i>Baltimore, Md.</i> .....	5
Maryland State Board of Health, <i>Baltimore, Md.</i> .....	1
Maryland State Library, <i>Annapolis, Md.</i> .....	1
Massachusetts Agricultural College, Hatch Experiment Station, <i>Amherst, Mass.</i> .....	11
Massachusetts, Board of Commissioners of Savings Banks, <i>Bos- ton, Mass.</i> .....	2
Massachusetts, Board of Gas and Electric Light Commissioners, <i>Boston, Mass.</i> .....	1
Massachusetts General Hospital, <i>Boston, Mass.</i> .....	2
Massachusetts Horticultural Society, <i>Boston, Mass.</i> .....	2
Massachusetts Highway Commission, <i>Boston, Mass.</i> .....	5
Massachusetts Hospital for Dipsomaniacs and Inebriates, <i>Fox- borough, Mass.</i> .....	2
Massachusetts Institute of Technology, <i>Boston, Mass.</i> .....	7
Massachusetts Metropolitan Water and Sewerage Board, <i>Boston, Mass.</i> .....	1
Massachusetts Single Tax League, <i>Boston, Mass.</i> .....	1
Massachusetts State Board of Agriculture, <i>Boston, Mass.</i> .....	1
Massachusetts State Board of Charities, <i>Boston, Mass.</i> .....	1
Massachusetts State Board of Health, <i>Boston, Mass.</i> .....	6
Massachusetts State Library, <i>Boston, Mass.</i> .....	2
Matthews, Nathan, <i>Boston, Mass.</i> .....	1
Maybury, Hon. William C., <i>Detroit, Mich.</i> .....	1
Mechanics' Institute, <i>San Francisco, Cal.</i> .....	2
Memorial Hall Library, <i>Andover, Mass.</i> .....	1
Mercantile Library Company of Philadelphia, <i>Philadelphia, Pa.</i> .....	6
Mercantile Library of New York, <i>New York, N. Y.</i> .....	1

## LIST OF DONORS.

41

Volumes or  
Pamphlets.

Merchants' Association, <i>San Francisco, Cal.</i> -----	1
Merchants' Association of New York, <i>New York, N. Y.</i> -----	8
Merchants Bank of Canada, <i>Montreal, Can.</i> -----	5
Merchants' Exchange of St. Louis, <i>St. Louis, Mo.</i> -----	2
Merchants' National Bank, <i>New York, N. Y.</i> -----	1
Mergenthaler Linotype Co., <i>New York, N. Y.</i> -----	5
Metcalf, Theodore & Co., <i>Boston, Mass.</i> -----	1
Meteorologiska Observatorium, <i>Upsala, Sweden</i> -----	2
Mettler, <i>Dr. L. Harrison, Chicago, Ill.</i> -----	1
Mexico, Secretaria de Fomento, Colonización y Industria, <i>City of Mexico, Mexico</i> -----	12
Mexico, Secretaria de Relaciones Exteriores, <i>City of Mexico, Mexico</i> -----	5
Michigan, Bureau of Labor and Industrial Statistics, <i>Lansing, Mich.</i> -----	1
Michigan Central Railroad Co., <i>Chicago, Ill.</i> -----	4
Michigan College of Mines, <i>Houghton, Mich.</i> -----	1
Michigan, Commissioner of Railroads, <i>Lansing, Mich.</i> -----	4
Michigan, Department of State, <i>Lansing, Mich.</i> -----	3
Michigan Fish Commission, <i>Detroit, Mich.</i> -----	1
Michigan Geological Survey, <i>Lansing, Mich.</i> -----	1
Michigan State Agricultural College, Experiment Station, <i>Agricultural College, Mich.</i> -----	5
Michigan State Board of Health, <i>Lansing, Mich.</i> -----	6
Michigan State Library, <i>Lansing, Mich.</i> -----	10
Millener, <i>Dr. Frederick M., Buffalo, N. Y.</i> -----	1
Milwaukee Public Library, <i>Milwaukee, Wis.</i> -----	1
Milwaukee Social Democratic Publishing Co., <i>Milwaukee, Wis.</i> -----	1
Minneapolis, Board of Park Commissioners, <i>Minneapolis, Minn.</i> -----	1
Minneapolis, City Engineer, <i>Minneapolis, Minn.</i> -----	4
Minneapolis Public Library, <i>Minneapolis, Minn.</i> -----	3
Minnesota, Bureau of Labor, <i>St. Paul, Minn.</i> -----	2
Minnesota, Department of Public Instruction, <i>St. Paul, Minn.</i> -----	3
Minnesota Geological and Natural History Survey, <i>Minneapolis, Minn.</i> -----	2
Minnesota State Board of Health, <i>St. Paul, Minn.</i> -----	2
Minnesota State Library, <i>Minneapolis, Minn.</i> -----	1
Minnesota State Normal School, <i>Winona, Minn.</i> -----	1
Mississippi Wire Glass Co., <i>New York, N. Y.</i> -----	1
Missouri Agricultural Experiment Station, <i>Columbus, Mo.</i> -----	9
Missouri Botanical Garden, <i>St. Louis, Mo.</i> -----	1
Missouri, Bureau of Geology and Mines, <i>Rolla, Mo.</i> -----	1
Missouri, Bureau of Labor Statistics and Inspection, <i>Jefferson City, Mo.</i> -----	3
Missouri Pacific Railway Co., <i>New York, N. Y.</i> -----	4
Missouri, Railroad and Warehouse Commission, <i>Jefferson City, Mo.</i> -----	4
Missouri State Board of Agriculture, <i>Columbia, Mo.</i> -----	1
Missouri State Horticultural Society, <i>Kansas City, Mo.</i> -----	2
Missouri State Lead and Zinc Mine Inspector, <i>Jefferson City, Mo.</i> -----	1

## LIST OF DONORS.

	Volumes or Pamphlets.
Missouri State Superintendent of Public Schools, <i>Jefferson City, Mo.</i>	5
Mitchell, Dr. Louis J., <i>Chicago, Ill.</i>	1
Montana, Agricultural Experiment Station, <i>Bozeman, Mont.</i>	4
Montreal Business Men's League, <i>Montreal, Can.</i>	1
Mott, John M., <i>Chicago, Ill.</i>	1
Mowry, Duane, <i>Milwaukee, Wis.</i>	1
Municipal Affairs Publishing Co., <i>St. Louis, Mo.</i>	1
Municipal Art League of Chicago, <i>Chicago, Ill.</i>	3
Municipal Journal and Engineer, <i>New York, N. Y.</i>	1
Municipal Library of Chicago, <i>Chicago, Ill.</i>	2
Munroe, James P., <i>Lexington, Mass.</i>	1
Mutual Boiler Insurance Co., <i>Boston, Mass.</i>	1
Mutual Life Insurance Co., <i>New York, N. Y.</i>	2
National Academy of Sciences, <i>Washington, D. C.</i>	2
National Association of Manufacturers of the United States of America, <i>Philadelphia, Pa.</i>	3
National Association of Wool Manufacturers, <i>Boston, Mass.</i>	1
National Civil Reform League, <i>New York, N. Y.</i>	3
National Consumers' League, <i>New York, N. Y.</i>	3
National Educational Association	4
National Fire Proofing Co., <i>New York, N. Y.</i>	1
National League for the Protection of the Family, <i>Auburndale, Mass.</i>	1
National Sound Money League, <i>New York, N. Y.</i>	1
Natural History Society, <i>Montreal, Can.</i>	1
Nebraska, Bureau of Labor and Industrial Statistics, <i>Lincoln, Neb.</i>	3
Nebraska Geological Survey, <i>Lincoln, Neb.</i>	1
Nebraska, Superintendent of Public Instruction, <i>Lincoln, Neb.</i>	2
Nevada, Agricultural Experiment Station, <i>Reno, Nev.</i>	1
Nevada State Weather Service, <i>Carson City, Nev.</i>	1
New Bedford Free Public Library, <i>New Bedford, Mass.</i>	2
New Century Society, <i>Liverpool, Eng.</i>	1
New England Cotton Manufacturers' Association, <i>Boston, Mass.</i>	1
New England Mutual Life Insurance Co., <i>Chicago, Ill.</i>	1
New Hampshire College, Agricultural Experiment Station, <i>Durham, N. H.</i>	11
New Hampshire State Board of Health, <i>Concord, N. H.</i>	2
New Hampshire State Library, <i>Concord, N. H.</i>	6
New Haven Free Public Library, <i>New Haven, Conn.</i>	2
New Jersey, Agricultural Experiment Station, <i>New Brunswick, N. J.</i>	6
New Jersey, Bureau of Statistics of Labor and Industries, <i>Trenton, N. J.</i>	2
New Jersey, Climate and Crop Service, <i>Trenton, N. J.</i>	1
New Jersey, Commissioner of Banking and Insurance, <i>Trenton, N. J.</i>	11
New Jersey, Comptroller of the Treasury, <i>Trenton, N. J.</i>	3
New Jersey Geological Survey, <i>Trenton, N. J.</i>	6
New Jersey State Board of Agriculture, <i>Trenton, N. J.</i>	3

## LIST OF DONORS.

43

Volumes or  
Pamphlets.

New Jersey State Board of Assessors, <i>Trenton, N. J.</i> -----	1
New Jersey State Board of Health, <i>Trenton, N. J.</i> -----	2
New Jersey State Board of Taxation, <i>Trenton, N. J.</i> -----	2
New Jersey State Library, <i>Trenton, N. J.</i> -----	1
New Jersey Weather Service, <i>Atlantic City, N. J.</i> -----	5
New Mexico, Agricultural Experiment Station, <i>Mesilla Park, N. M.</i> -----	5
New Orleans, City Comptroller, <i>New Orleans, La.</i> -----	5
New Orleans Public Library, <i>New Orleans, La.</i> -----	2
New York, Agricultural Experiment Station, <i>Geneva, N. Y.</i> -----	9
New York Association for Improving the Condition of the Poor, <i>New York, N. Y.</i> -----	1
New York, Board of Fire Underwriters, Committee on Fire Patrol, <i>New York, N. Y.</i> -----	1
New York Botanical Garden, <i>New York, N. Y.</i> -----	1
New York Central & Hudson River Railroad Co., <i>New York, N. Y.</i> -----	3
New York Chamber of Commerce, <i>New York, N. Y.</i> -----	1
New York Charity Organization Society, <i>New York, N. Y.</i> -----	3
New York Children's Aid Society, <i>New York, N. Y.</i> -----	5
New York Civil Service Commission, <i>New York, N. Y.</i> -----	3
New York, Department of Education, <i>New York, N. Y.</i> -----	1
New York Electrical Society, <i>New York, N. Y.</i> -----	4
New York, City Comptroller, <i>New York, N. Y.</i> -----	3
New York, Department of Finance, <i>New York, N. Y.</i> -----	2
New York, Department of Parks, <i>New York, N. Y.</i> -----	1
New York, Department of Public Works, <i>New York, N. Y.</i> -----	4
New York Kindergarten Association, <i>New York, N. Y.</i> -----	1
New York Mercantile Library Association, <i>New York, N. Y.</i> -----	1
New York, New Haven & Hartford Railroad Co., <i>New Haven, Conn.</i> -----	1
New York, Police Department, <i>New York, N. Y.</i> -----	4
New York Public Library, <i>New York, N. Y.</i> -----	5
New York Society for the Prevention of Cruelty to Children, <i>New York, N. Y.</i> -----	2
New York Society Library, <i>New York, N. Y.</i> -----	1
New York State Board of Charities, <i>Albany, N. Y.</i> -----	1
New York State Board of Health, <i>Albany, N. Y.</i> -----	6
New York State Library, <i>Albany, N. Y.</i> -----	53
New York University, <i>New York, N. Y.</i> -----	1
Newark Female Charitable Society, <i>Newark, N. J.</i> -----	2
Newark Free Public Library, <i>Newark, N. J.</i> -----	2
Newberry Library, <i>Chicago, Ill.</i> -----	7
Newson, John F., <i>Stanford University, Cal.</i> -----	1
Nijhoff, Wouter, <i>The Hague, Holland.</i> -----	8
Nipher, Prof. Francis E., <i>St. Louis, Mo.</i> -----	2
Norfolk & Western Railway Co., <i>New York, N. Y.</i> -----	4
Norman, Oscar E., <i>Chicago, Ill.</i> -----	1
North Adams Public Library, <i>North Adams, Mass.</i> -----	1
North Carolina, Agricultural Experiment Station, <i>Raleigh, N. C.</i> -----	6

## LIST OF DONORS.

	Volumes or Pamphlets.
North Carolina, Board of Agriculture, <i>Raleigh, N. C.</i> -----	6
North Carolina, Bureau of Labor and Printing, <i>Raleigh, N. C.</i> -----	4
North Carolina Geological Survey, <i>Raleigh, N. C.</i> -----	2
North Dakota, Agricultural Experiment Station, <i>Agricultural College, N. D.</i> -----	4
North Dakota, Commissioner of Agriculture and Labor, <i>Bismarck, N. D.</i> -----	1
Northern Illinois State Normal School, <i>De Kalb, Ill.</i> -----	2
Northern Pacific Railway Co., <i>St. Paul, Minn.</i> -----	1
Northwest Railway Club, <i>St. Paul, Minn.</i> -----	1
Northwestern Electrical Association, <i>Milwaukee, Wis.</i> -----	1
Northwestern University, <i>Evanston, Ill.</i> -----	4
Norton, Charles D., <i>Chicago, Ill.</i> -----	1
Norwood Press, <i>Norwood, Mass.</i> -----	1
Nova Scotia, Commissioner of Public Works and Mines, <i>Halifax, N. S.</i> -----	2
Oahu College, <i>Honolulu, Hawaii</i> -----	3
Oberlin College, <i>Oberlin, O.</i> -----	3
Oberlin College Library, <i>Oberlin, O.</i> -----	1
Observatorio Astronomico Nacional de Tacubaya, <i>Tacubaya, Mexico</i> -----	1
Ohio, Bureau of Labor Statistics, <i>Columbus, O.</i> -----	3
Ohio Hospital for Epileptics, <i>Gallipolis, O.</i> -----	2
Ohio State Archaeological and Historical Society, <i>Columbus, O.</i> -----	1
Ohio State Board of Agriculture, <i>Columbus, O.</i> -----	3
Ohio State Board of Health, <i>Columbus, O.</i> -----	1
Ohio State Library, <i>Columbus, O.</i> -----	12
Ohio State University, <i>Columbus, O.</i> -----	8
Oldenburg Öffentliche Bibliothek, <i>Oldenburg, Germany</i> -----	1
Oldenneel, H. Van, <i>New York, N. Y.</i> -----	1
Omaha Public Library, <i>Omaha, Neb.</i> -----	1
Ontario, Department of Agriculture, <i>Toronto, Can.</i> -----	33
Ontario, Department of Crown Lands, <i>Toronto, Can.</i> -----	10
Ontario, Department of Education, <i>Toronto, Can.</i> -----	1
Ontario, Department of Insurance, <i>Toronto, Can.</i> -----	2
Oregon, Board of Horticulture, <i>Portland, Ore.</i> -----	5
Oregon, Department of Fisheries, <i>Salem, Ore.</i> -----	1
Oshkosh Public Library, <i>Oshkosh, Wis.</i> -----	1
Paris Chamber of Commerce, <i>Paris, France</i> -----	1
Paterson Free Public Library, <i>Paterson, N. J.</i> -----	1
Peabody Coal Co., <i>Chicago, Ill.</i> -----	3
Pecos Irrigation Co., <i>Carlsbad, N. M.</i> -----	2
Pennsylvania, Department of Agriculture, <i>Harrisburg, Pa.</i> -----	57
Pennsylvania State Board of Health, <i>Harrisburg, Pa.</i> -----	2
Pennsylvania State Library, <i>Harrisburg, Pa.</i> -----	*120
People's Paper, <i>Santa Barbara, Cal.</i> -----	1
Peoria Public Library, <i>Peoria, Ill.</i> -----	5
Perkins Atelier of Architecture, <i>New York, N. Y.</i> -----	2
Perry, Edward W., <i>New Haven, Conn.</i> -----	4

\* Estimated.

## LIST OF DONORS.

45

Volumes or  
Pamphlets.

Peru, Ministerio de Fomento, <i>Lima, Peru</i> .....	6
Philadelphia, Board of Directors of City Trusts, <i>Philadelphia, Pa.</i> .....	5
Philadelphia Board of Public Education, <i>Philadelphia, Pa.</i> .....	4
Philadelphia Car Service Association, <i>Philadelphia, Pa.</i> .....	11
Philadelphia Commercial Museum, <i>Philadelphia, Pa.</i> .....	4
Philadelphia, Electrical Bureau, <i>Philadelphia, Pa.</i> .....	1
Philadelphia Free Library, <i>Philadelphia, Pa.</i> .....	9
Philadelphia, Department of Public Works, <i>Philadelphia, Pa.</i> .....	1
Philippine Civil Service Board, <i>Manilla, Philippine Islands</i> .....	1
Phillips Academy, <i>Andover, Mass.</i> .....	1
Philosophical Society of Washington, <i>Washington, D. C.</i> .....	1
Pond, Raymond H., <i>Chicago, Ill.</i> .....	1
Porto Rico, Governor, <i>San Juan, Porto Rico</i> .....	1
Pratt Food Co., <i>Philadelphia, Pa.</i> .....	3
Pratt Institute Free Library, <i>Brooklyn, N. Y.</i> .....	3
Princeton University, <i>Princeton, N. J.</i> .....	3
Powell, William A., <i>Boston, Mass.</i> .....	1
Preston, H. L., <i>Rochester, N. Y.</i> .....	8
Progressive American Publishing Co., <i>Philadelphia, Pa.</i> .....	1
Providence Athenæum, <i>Providence, R. I.</i> .....	1
Providence Journal Co., <i>Providence, R. I.</i> .....	3
Providence Public Library, <i>Providence, R. I.</i> .....	3
Psychological Review, <i>New York, N. Y.</i> .....	1
Public School Library, <i>Columbus, O.</i> .....	1
Pulsometer Engineering Co., <i>Reading, Eng.</i> .....	1
Purdue University, <i>Lafayette, Ind.</i> .....	1
Quaritch, Bernard, <i>London, Eng.</i> .....	6
Queensland, Immigration Department, <i>Brisbane, Australia</i> .....	1
Quincy Free Public Library, <i>Quincy, Ill.</i> .....	1
Railway Publishing Co., <i>San Francisco, Cal.</i> .....	2
Revyen, <i>Chicago, Ill.</i> .....	1
Reynolds Library, <i>Rochester, N. Y.</i> .....	2
Rhode Island, State Board of Health, <i>Providence, R. I.</i> .....	2
Rhodesia Scientific Association, <i>Salisbury, Africa</i> .....	1
Rich, H. S. & Co., <i>Chicago, Ill.</i> .....	2
Rijks-Universitet te Leiden, <i>Leyden, Holland</i> .....	1
Ripon College, <i>Ripon, Wis.</i> .....	24
Robotnik, <i>Chicago, Ill.</i> .....	1
Rochester Academy of Science, <i>Rochester, N. Y.</i> .....	1
Rolfe, George W., <i>Boston, Mass.</i> .....	2
Rollins College, <i>Winter Park, Fla.</i> .....	1
Roper, Eleanor, <i>Chicago, Ill.</i> .....	1
Rose Polytechnic Institute, <i>Terre Haute, Ind.</i> .....	6
Rosenthal, Julius, <i>Chicago, Ill.</i> .....	1
Rosenthal, Ludwig, <i>Munich, Bavaria</i> .....	1
Rowell, J. Herbert, <i>Chicago, Ill.</i> .....	3
Royal Academy of Science, <i>Amsterdam, Holland</i> .....	21
Rudolph, Alexander J., <i>Chicago, Ill.</i> .....	1
Rush Medical College, <i>Chicago, Ill.</i> .....	2
Sacramento Chamber of Commerce, <i>Sacramento, Cal.</i> .....	2

	Volumes or Pamphlets.
St. Bride Foundation Institute, <i>London, Eng.</i> .....	10
St. Ignatius College, <i>Chicago, Ill.</i> .....	3
St. Ignatius College, <i>San Francisco, Cal.</i> .....	1
St. John's College, <i>Fordham, N. Y.</i> .....	2
St. Joseph Free Public Library, <i>St. Joseph, Mo.</i> .....	1
St. Louis Builders' Publishing Co., <i>St. Louis, Mo.</i> .....	1
St. Louis Mercantile Library Association, <i>St. Louis, Mo.</i> .....	1
St. Louis Public Library, <i>St. Louis, Mo.</i> .....	2
St. Louis University, <i>St. Louis, Mo.</i> .....	1
St. Petersburg Imperial University, <i>St. Petersburg, Russia</i> .....	31
Salem Public Library, <i>Salem, Mass.</i> .....	3
San Francisco Free Public Library, <i>San Francisco, Cal.</i> .....	1
Sanitary District of Chicago, <i>Chicago, Ill.</i> .....	3
Sawyer-Man Electric Co., <i>New York, N. Y.</i> .....	1
Scheck, Allard, <i>Washington, D. C.</i> .....	1
Schneible, Joseph & Co., <i>New York, N. Y.</i> .....	1
Scientific Alliance of New York, <i>New York, N. Y.</i> .....	1
Scott, Orion C., <i>Berwyn, Ill.</i> .....	2
Scranton Public Library, <i>Scranton, Pa.</i> .....	7
Seattle Chamber of Commerce, <i>Seattle, Wash.</i> .....	2
Sevensma, B., <i>Grand Rapids, Mich.</i> .....	2
Shamel, Archibald D., <i>Champaign, Ill.</i> .....	1
Shea, Smith & Co., <i>Chicago, Ill.</i> .....	1
Sheridan Club, <i>Chicago, Ill.</i> .....	1
Shoe and Leather Reporter, <i>Chicago, Ill.</i> .....	1
Silver Manufacturing Co., <i>Salem, O.</i> .....	2
Simmons College, <i>Boston, Mass.</i> .....	2
Simons, A. M., <i>Chicago, Ill.</i> .....	4
Simonsen, Roger A. & Co., <i>Chicago, Ill.</i> .....	1
Single Tax Information Bureau, <i>Brooklyn, N. Y.</i> .....	3
Smith, Harlan J., <i>New York, N. Y.</i> .....	1
Smith, J. C., <i>New Orleans, La.</i> .....	1
Smithsonian Institution, <i>Washington, D. C.</i> .....	51
Social Thought, <i>Rich Hill, Mo.</i> .....	1
Socialistic Co-operative Publishing Association, <i>New York, N. Y.</i> .....	2
Socialist Labor Party, <i>New York, N. Y.</i> .....	1
Socialist Publishing Co., <i>Idaho Falls, Ida.</i> .....	1
Socialist Publishing Co., <i>Spokane, Wash.</i> .....	2
Sociedad Cientifica "Antonio Alzate," <i>City of Mexico, Mexico</i> .....	6
Société d'Économie Politique, <i>Paris, France</i> .....	1
Société des Sciences, des Arts et des Lettres du Hainaut, <i>Mons, Belgium</i> .....	56
Solar Physics Observatory, <i>South Kensington, Eng.</i> .....	2
Somers, Fitler Todd Co., <i>Pittsburgh, Pa.</i> .....	16
Somerville Public Library, <i>Somerville, Mass.</i> .....	1
South Carolina State Board of Health, <i>Columbia, S. C.</i> .....	1
South Dakota Board of Railroad Commissioners, <i>Sioux Falls, S. D.</i> .....	3
South Dakota State School of Mines, <i>Rapid City, S. D.</i> .....	1
South End Industrial School, <i>Roxbury, Mass.</i> .....	1

## LIST OF DONORS.

47

Volumes or  
Pamphlets.

South Park Commissioners, <i>Chicago, Ill.</i> -----	3
Sotheran, Henry & Co., <i>London, Eng.</i> -----	1
Southern and Southwestern Railway Club, <i>Atlanta, Ga.</i> -----	1
Southern Illinois Normal University, <i>Carbondale, Ill.</i> -----	1
Southern Illinois Penitentiary, <i>Menard, Ill.</i> -----	2
Southern Rhodesia, Government Statist, <i>Salisbury, Africa</i> -----	1
Southworth, R. A., <i>Denver, Col.</i> -----	1
Spencer, Roswell T., <i>Chicago, Ill.</i> -----	3
Spivak, Dr. C. D., <i>Denver, Col.</i> -----	1
Sprague, Warner & Co., <i>Chicago, Ill.</i> -----	1
Springfield City Library Association, <i>Springfield, Mass.</i> -----	1
Squibb & Sons, E. R., <i>New York, N. Y.</i> -----	4
Stadtbibliothek Zurich, <i>Zurich, Switzerland</i> -----	1
Star Brass Manufacturing Co., <i>Boston, Mass.</i> -----	1
State Historical Society of Wisconsin, <i>Madison, Wis.</i> -----	1
State Pawners Society of Chicago, <i>Chicago, Ill.</i> -----	3
Stolberg-Wernigerode Fürstliche Bibliothek, <i>Wernigerode, Prussia</i> -----	1
Stone, Herbert S., <i>Chicago, Ill.</i> -----	2
Stoops, William H., <i>Riverside, N. Y.</i> -----	2
Storey Cotton Co., <i>Philadelphia, Pa.</i> -----	3
Storey, Thorndike, Palmer & Thayer, <i>Boston, Mass.</i> -----	3
Storrs Agricultural Experiment Station, <i>Storrs, Conn.</i> -----	1
Street Railway Association of the State of New York, <i>New York, N. Y.</i> -----	1
Sullivan Machinery Co., <i>Chicago, Ill.</i> -----	1
Stuttgart, Königliche Technische Hochschule, <i>Stuttgart, Germany</i> , -----	1
Sutton, Albert, <i>Manchester, Eng.</i> -----	1
Syracuse Public Library, <i>Syracuse, N. Y.</i> -----	1
Syracuse University, <i>Syracuse, N. Y.</i> -----	1
System Co., <i>Chicago, Ill.</i> -----	1
Taschereau, Hon. H. T., <i>Ottawa, Can.</i> -----	1
Taunton City Council, <i>Taunton, Mass.</i> -----	1
Technical Press of America, <i>Chicago, Ill.</i> -----	1
Technological Institute, Emperor Nicholas I, <i>St. Petersburg, Russia</i> -----	1
Technologist, <i>New York, N. Y.</i> -----	1
Tenny, Frank, <i>Philadelphia, Pa.</i> -----	1
Texas Academy of Science, <i>Austin, Tex.</i> -----	2
Texas, Railroad Commission, <i>Austin, Tex.</i> -----	2
Toiler Co., <i>Terre Haute, Ind.</i> -----	1
Toronto, City Engineer, <i>Toronto, Can.</i> -----	1
Toronto Public Library, <i>Toronto, Can.</i> -----	1
Trenton Public Library, <i>Trenton, N. J.</i> -----	5
Treub, M. W. F., <i>Amsterdam, Holland</i> -----	6
Truesdell, Mrs. C. G., <i>Lake Bluff, Ill.</i> -----	125
Tucker, Gilbert A., <i>Albany, N. Y.</i> -----	1
Tufts College, <i>Tufts College, Mass.</i> -----	3
Tulane University, <i>New Orleans, La.</i> -----	1
Tuskegee Institute, <i>Tuskegee, Ala.</i> -----	4

## LIST OF DONORS.

	Volums or Pamphlets.
Union Pacific Railroad Co., <i>New York, N. Y.</i> .....	3
Union Stock Yards Co., <i>Omaha, Neb.</i> .....	4
United States Government, <i>Washington, D. C.</i> .....	*963
United States Hydrographic Office, <i>Chicago, Ill.</i> .....	4
United States Infantry and Cavalry School, <i>Fort Leavenworth, Kan.</i> .....	2
United States Lake Survey Office, <i>Detroit, Mich.</i> .....	6
United States Military Academy, <i>West Point, N. Y.</i> .....	3
United States Publication Co., <i>Toronto, Can.</i> .....	1
United States Senate Library, <i>Washington, D. C.</i> .....	1
United Trades and Labor Council, <i>Cleveland, O.</i> .....	1
Université Laval, <i>Quebec, Can.</i> .....	1
University of Aberdeen, <i>Aberdeen, Scotland</i> .....	3
University of Arizona, <i>Tucson, Ariz.</i> .....	33
University of Arkansas, <i>Fayetteville, Ark.</i> .....	1
University of California, <i>Berkeley, Cal.</i> .....	8
University of California, Agricultural Experiment Station, <i>Berkeley, Cal.</i> .....	53
University of California, Lick Observatory, <i>Mt. Hamilton, Cal.</i> .....	1
University of Chicago, <i>Chicago, Ill.</i> .....	47
University of Chicago, School of Education, <i>Chicago, Ill.</i> .....	*300
University of Cincinnati, <i>Cincinnati, O.</i> .....	19
University of Colorado, <i>Boulder, Col.</i> .....	11
University of Idaho, <i>Moscow, Ida.</i> .....	7
University of Illinois, <i>Urbana, Ill.</i> .....	27
University of Illinois, Astronomical Observatory, <i>Urbana, Ill.</i> .....	1
University of Iowa, <i>Iowa City, Ia.</i> .....	4
University of London, <i>London, Eng.</i> .....	1
University of Michigan, <i>Ann Arbor, Mich.</i> .....	3
University of Michigan, Engineering Society, <i>Ann Arbor, Mich.</i> .....	1
University of Minnesota, <i>Minneapolis, Minn.</i> .....	4
University of Minnesota, Agricultural Experiment Station, <i>St. Anthony Park, Minn.</i> .....	11
University of Missouri, <i>Columbia, Mo.</i> .....	3
University of Montana, <i>Missoula, Mont.</i> .....	5
University of Nebraska, <i>Lincoln, Neb.</i> .....	3
University of Nebraska, Agricultural Experiment Station, <i>Lincoln, Neb.</i> .....	15
University of Oregon, <i>Eugene, Ore.</i> .....	1
University of Pennsylvania, <i>Philadelphia, Pa.</i> .....	20
University of Rochester, <i>Rochester, N. Y.</i> .....	3
University of St. Andrews, <i>St. Andrews, Scotland</i> .....	3
University of Tennessee, <i>Knoxville, Tenn.</i> .....	26
University of Texas, <i>Austin, Tex.</i> .....	1
University of Toronto, <i>Toronto, Can.</i> .....	3
University of Vermont, <i>Burlington, Vt.</i> .....	1
University of Wisconsin, <i>Madison, Wis.</i> .....	7
University of Wisconsin, Washburn Observatory, <i>Madison, Wis.</i> .....	1
Unknown .....	7

\*Estimated.

## LIST OF DONORS.

49

Volumes or  
Pamphlets.

Utah University, <i>Salt Lake City, Utah</i> .....	2
Van Nostrand, D., Co., <i>New York, N. Y.</i> .....	1
Van Nostrand, J. J., <i>Chicago, Ill.</i> .....	3
Vancouver Board of Trade, <i>Vancouver, B. C.</i> .....	1
Vanguard Press, <i>Green Bay, Wis.</i> .....	1
Vermont, Board of Library Commissioners, <i>Montpelier, Vt.</i> .....	1
Vermont, Board of Railroad Commissioners, <i>Montpelier, Vt.</i> .....	3
Vermont, Inspector of Finance, <i>Poultney, Vt.</i> .....	1
Victoria, Department of Agriculture, <i>Melbourne, Australia</i> .....	3
Victoria Public Library, Museums and National Gallery, <i>Melbourne, Australia</i> .....	1
Victoria Public Library of Western Australia, <i>Perth, Australia</i> .....	4
Virginia State Weather Service, <i>Lynchburg, Va.</i> .....	1
Volta Bureau, <i>Washington, D. C.</i> .....	22
Voynich, W. M., <i>London, Eng.</i> .....	11
Vulcan Iron Works, <i>Chicago, Ill.</i> .....	1
Wahl-Henius Institute of Fermentation, <i>Chicago, Ill.</i> .....	2
Ward, Dr. Henry B., <i>Lincoln, Neb.</i> .....	8
Ware, Dr. Lyman, <i>Chicago, Ill.</i> .....	8
Warner, George E., <i>Minneapolis, Minn.</i> .....	1
Warren County Library and Reading Room Association, <i>Monmouth, Ill.</i> .....	1
Warvelle, George W., <i>Chicago, Ill.</i> .....	1
Washburn College, <i>Topeka, Kan.</i> .....	2
Washington Academy of Science, <i>Washington, D. C.</i> .....	5
Washington and Jefferson College, <i>Washington, Pa.</i> .....	1
Washington Geological Survey, <i>Seattle, Wash.</i> .....	1
Washington, Secretary of State, <i>Olympia, Wash.</i> .....	1
Washington University, <i>St. Louis, Mo.</i> .....	2
Waterhouse, F. H., <i>London, Eng.</i> .....	1
Waterman, L. E. & Co., <i>New York, N. Y.</i> .....	1
Watertown Free Public Library, <i>Watertown, Mass.</i> .....	1
Watt, Frederick A., <i>Chicago, Ill.</i> .....	1
Webster Free Library, <i>New York, N. Y.</i> .....	1
Wells, William C., <i>Parkersburg, W. Va.</i> .....	1
Wellesley College, <i>Wellesley, Mass.</i> .....	3
Wesleyan Academy, <i>Wilbraham, Mass.</i> .....	1
Western Australia Geological Survey, <i>Perth, Australia</i> .....	7
Western Railway Club, <i>Chicago, Ill.</i> .....	1
Western Reserve University, <i>Cleveland, O.</i> .....	2
Western Society of Engineers, <i>Chicago, Ill.</i> .....	9
Western Union Telegraph Co., <i>Chicago, Ill.</i> .....	1
Wheeler, Arthur D., <i>Chicago, Ill.</i> .....	11
White & Kemble, <i>New York, N. Y.</i> .....	1
William and Mary College, <i>Williamsburg, Pa.</i> .....	6
William Cramp & Sons Ship & Engine Building Co., <i>Philadelphia, Pa.</i> .....	1
Wilmington Institute, <i>Wilmington, Del.</i> .....	3
Wilson, Prof. George G., <i>Providence, R. I.</i> .....	2
Wilson, Louis N., <i>Worcester, Mass.</i> .....	1

## LIST OF DONORS.

	Volumes or Pamphlets.
Winona Assembly, <i>Winona Lake, Ind.</i> .....	1
Wire, <i>Dr. George E., Worcester, Mass.</i> .....	60
Wisconsin Archaeological Society, <i>Milwaukee, Wis.</i> .....	1
Wisconsin, Department of Public Instruction, <i>Madison, Wis.</i> .....	6
Wisconsin Free Library Commission, <i>Madison, Wis.</i> .....	59
Wisconsin Geological & Natural History Survey, <i>Madison, Wis.</i> .....	21
Wisconsin State Board of Health, <i>Milwaukee, Wis.</i> .....	1
Wood, R. D. & Co., <i>Philadelphia, Pa.</i> .....	3
Worcester County Law Library, <i>Worcester, Mass.</i> .....	1
Worcester Free Public Library, <i>Worcester, Mass.</i> .....	1
Worcester Polytechnic Institute, <i>Worcester, Mass.</i> .....	1
Word & Works Publishing Co., <i>St. Louis, Mo.</i> .....	2
Writt, Henry, <i>Chicago, Ill.</i> .....	1
Wyoming Agricultural Experiment Station, <i>Laramie, Wyo.</i> .....	3
Yale University, <i>New Haven, Conn.</i> .....	5
Yerkes Observatory, <i>Williams Bay, Wis.</i> .....	3
Young Men's Christian Association, <i>Chicago, Ill.</i> .....	1
Young Men's Christian Association, <i>New York, N. Y.</i> .....	2
Yurieff Imperial University, <i>Yurieff, Russia</i> .....	3
 Total .....	 6,656

“

**AN ACT ENTITLED “AN ACT CONCERNING  
FREE PUBLIC LIBRARIES IN  
PUBLIC PARKS.”**

SECTION 1. *Be it enacted by the people of the State of Illinois, represented in the General Assembly:* That the corporate authorities of cities and park districts, or any board of park commissioners having the control or supervision of any public park or parks, are hereby authorized to permit any free public library, organized under the terms and provisions of an act entitled, “An act to encourage and promote the establishment of free public libraries in cities, villages, and towns of this State,” approved June 17, 1891, in force July 1, 1891, to erect and maintain, at its own expense, its library building within any public park now or hereafter under the control or supervision of such city, park district, or board of park commissioners, and to contract with any such free public library relative to the erection, maintenance and administration thereof. If any owner or owners of any lands or lots abutting or fronting on any such park, or adjacent thereto, or any other person or persons, have any right, easement, interest, or property in such public park appurtenant to their lands or lots or otherwise, which would be interfered with by the erection and maintenance of any free public library building, as hereinbefore provided, or any right to have such public park, or any part thereof, remain open and vacant and free from any buildings, the corporate authorities of the city or park district or any board of park commissioners, having control of such park, may condemn the same in the manner prescribed in an Act of the General Assembly entitled, “An act to provide for the exercise of the right of eminent domain,” approved April 10, 1872, in force July 1, 1872, and the amendments thereto.

SECTION 2. The directors, trustees, or managers of any public library which shall erect its library building in or upon any public park, under the terms and provisions as aforesaid,

52 FREE PUBLIC LIBRARIES IN PUBLIC PARKS.

shall, so long as said building is maintained as a free public library, control, direct, and manage the affairs of such library, as heretofore, under the terms and provisions of an act entitled, "An act to encourage and promote the establishment of free public libraries in cities, villages and towns of this State," approved June 17, 1891, in force July 1, 1891, and in all respects the same as though the said building was not erected in or upon a public park.

SECTION 3. In case the directors, trustees, or managers of any free public library, or a majority of them, shall make request in writing, of the corporate authorities of such city, park district, or board of park commissioners, for permission to erect a free public library building in or upon any public park, under the control, supervision, or jurisdiction of such city, park district, or board of park commissioners, designating the site desired and the general style, and approximate cost of such building, it shall be the duty of such authorities to submit the question of granting such request to the legal voters of such city or park district at the next municipal election; and if a majority of the legal voters, voting upon such question at any such election, shall favor the granting by said city, park district, or board of park commissioners of the aforesaid request, then the said authorities or board of park commissioners shall authorize the erection of said building, as aforesaid, and if necessary proceed to condemn, as aforesaid, any right, easement, or interest, belonging to such abutting property owners, which would be interfered with by the erection of said library building, and such city or park district shall have the power to pay for any right, easement, or interest so condemned out of its general revenues.

SECTION 4. All acts or parts of acts, inconsistent with the foregoing, or any part thereof, be, and the same are hereby repealed.

Approved May 14, 1903.

35920  
T3I  
U.S.

THE  
**JOHN CRERAR LIBRARY**

TENTH ANNUAL REPORT

FOR THE YEAR

1904



CHICAGO  
PRINTED BY ORDER OF THE BOARD OF DIRECTORS  
1905



## OFFICERS, 1905

---

*President*

PETER STENGER GROSSCUP

*First Vice-President*

HENRY W. BISHOP

*Second Vice-President*

THOMAS D. JONES

*Secretary*

LEONARD A. BUSBY

*Treasurer*

WILLIAM J. LOUDERBACK

*Librarian*

CLEMENT W. ANDREWS

---

## BOARD OF DIRECTORS

---

MARSHALL FIELD

E. W. BLATCHFORD	PETER STENGER GROSSCUP
ROBERT T. LINCOLN	MARVIN HUGHITT
HENRY W. BISHOP	THOMAS D. JONES
ALBERT KEEP	JOHN J. MITCHELL
JOHN M. CLARK	LEONARD A. BUSBY
FRANK S. JOHNSON	ROBERT FORSYTH
CARTER H. HARRISON, Mayor of Chicago, <i>ex-officio</i>	
LAWRENCE E. McGANN, Comptroller of Chicago, <i>ex-officio</i>	

## STANDING COMMITTEES

---

*Finance*

MARSHALL FIELD

ALBERT KEEP	JOHN J. MITCHELL
-------------	------------------

*Administration*

E. W. BLATCHFORD

MARVIN HUGHITT	LEONARD A. BUSBY
----------------	------------------

*Buildings and Grounds*

JOHN M. CLARK

HENRY W. BISHOP	ROBERT T. LINCOLN
-----------------	-------------------

*Books*

FRANK S. JOHNSON

THOMAS D. JONES	ROBERT FORSYTH
-----------------	----------------

## DIRECTORS, 1894-1905

NORMAN WILLIAMS	-	-	-	-	1894-1899*
HUNTINGTON W. JACKSON	-	-	-	-	1894-1901*
MARSHALL FIELD	-	-	-	-	1894-
E. W. BLATCHFORD	-	-	-	-	1894-
T. B. BLACKSTONE	-	-	-	-	1894-1899†
ROBERT T. LINCOLN	-	-	-	-	1894-
HENRY W. BISHOP	-	-	-	-	1894-
EDWARD G. MASON	-	-	-	-	1894-1895†
ALBERT KEEF	-	-	-	-	1894-
EDSON KEITH	-	-	-	-	1894-1896*
SIMON J. MCPHERSON	-	-	-	-	1894-1899†
JOHN M. CLARK	-	-	-	-	1894-
GEORGE A. ARMOUR	-	-	-	-	1894-1899†
FRANK S. JOHNSON	-	-	-	-	1896-
PETER STENGER GROSSCUP	-	-	-	-	1897-
ARTHUR J. CATON	-	-	-	-	1900-1904*
MARVIN HUGHITT	-	-	-	-	1900-
THOMAS D. JONES	-	-	-	-	1900-
JOHN J. MITCHELL	-	-	-	-	1900-
LEONARD A. BUSBY	-	-	-	-	1901-
ROBERT FORSYTH	-	-	-	-	1905-

\* Deceased

† Resigned

## OFFICERS, 1895—1905

### *Presidents*

<b>NORMAN WILLIAMS</b>	- - - - -	1895—1899
<b>HUNTINGTON W. JACKSON</b>	- - - - -	1900—1901
<b>PETER STENGER GROSSCUP</b>	- - - - -	1901—

### *First Vice-Presidents*

<b>EDWARD G. MASON</b>	- - - - -	1895
<b>HUNTINGTON W. JACKSON</b>	- - - - -	1896—1900
<b>PETER STENGER GROSSCUP</b>	- - - - -	1900
<b>HENRY W. BISHOP</b>	- - - - -	1901—

### *Second Vice-Presidents*

<b>MARSHALL FIELD</b>	- - - - -	1895—1899
<b>PETER STENGER GROSSCUP</b>	- - - - -	1899—1900
<b>HENRY W. BISHOP</b>	- - - - -	1900—1901
<b>THOMAS D. JONES</b>	- - - - -	1901—

### *Secretaries*

<b>GEORGE A. ARMOUR</b>	- - - - -	1895—1900
<b>ARTHUR J. CATON</b>	- - - - -	1900—1904
<b>LEONARD A. BUSBY</b>	- - - - -	1905—

### *Treasurer*

<b>WILLIAM J. LOUDERBACK</b>	- - - - -	1895—
------------------------------	-----------	-------

### *Librarian*

<b>CLEMENT W. ANDREWS</b>	- - - - -	1895—
---------------------------	-----------	-------

## LIBRARY STAFF, 1905

<i>Librarian</i>	- - - - -	CLEMENT W. ANDREWS
<i>Assistant Librarian</i>	- - - - -	CHARLES J. BARR
<i>Cataloguer</i>	- - - - -	AKSEL G. S. JOSEPHSON
<i>Reference Librarian</i>	- - - - -	CHARLES H. BROWN
<i>Classifier</i>	- - - - -	CLARENCE W. PERLEY
<i>Assistant Cataloguer</i>	- - - - -	MARY E. HAWLEY
<i>Assistant Reference Librarian</i>	- - - - -	HAROLD L. LEUPP

### *Senior Assistants*

EDITHA C. PHELPS	ELEANOR ROPER
SARAH S. DICKINSON	GERTRUDE FORSTALL
CHARLOTTE H. FOYE	ELIZABETH MONTROSS

### *Junior Assistants*

MARY EMILY MILLS	ELLEN G. SMITH
CHARLES WITT	JENNIE A. HULCE
ANNIE LOUISE O'NEILL	ADAH PATTON
BLANCHE SEELY	MARGARET FURNESS
WILLIAM TEAL	BESS R. BALDWIN
MAY L. MARTIN	GENEVIEVE DARLINGTON
FRANK L. GRIFFIN	MABEL HAYWARD

CARA F. SWENSON

### *Attendants*

DOUGLAS CALHOUN	PAUL VAN CLEEF
FRANK F. STEPHENS	MICHAEL BAUER
CHARLES B. HARBAUGH	WILLIAM G. REDDINGIUS

### *Pages*

SAMUEL S. MARKS	HAROLD SKROGSTAD
ANDREW BARNICKEL	
Janitor	WILLIAM J. JONES
Assistant Janitor	GEORGE H. JONES

## REPORT OF THE PRESIDENT.

TO THE GOVERNOR OF ILLINOIS:

In accordance with the provisions of an Act entitled: "An Act to encourage and promote the establishment of free public libraries in cities, villages, and towns in this state," approved June 17, 1891, under which this corporation is organized, the Directors of The John Crerar Library submit their tenth annual report for the year 1904.

The Board of Directors have suffered through the death, on November 18, 1904, of Arthur J. Caton, Esq., the loss of one who had been a member of the Board and its Secretary since 1900. His place has not yet been filled, so that the Board is now composed of the following persons: Marshall Field, E. W. Blatchford, Robert T. Lincoln, Henry W. Bishop, Albert Keep, John M. Clark, Frank S. Johnson, Peter Stenger Grosscup, Marvin Hughitt, Thomas D. Jones, John J. Mitchell, and Leonard A. Busby, together with Carter H. Harrison, Mayor of Chicago, and Lawrence E. McGann, Comptroller, *ex-officio* members.

The officers of the Library are as follows: President, Peter Stenger Grosscup; First Vice-President, Henry W. Bishop; Second Vice-President, Thomas D. Jones; Treasurer, William J. Louderback; Librarian, Clement W. Andrews.

Under and in accordance with the provisions of an Act entitled: "An Act concerning free public libraries in public parks," approved May 14, 1903, and in force July 1, 1903, the Board of Directors, under date of January 21, 1904, made a request of the South Park Commissioners for permission to erect and maintain a free public library building on that part of Grant Park between Michigan Avenue and the Illinois Central Railroad, and between Madison and Monroe streets extended east, the general style of the building to be classical, and the approximate cost to be one million dollars. The question of granting

## REPORT OF THE PRESIDENT.

this request was submitted to the voters of the South Park District at the municipal election held April 5, 1904. There were 50,960 votes cast in favor of granting the request, and 9,329 against. The Directors propose to obtain plans at once and to proceed with the construction of the building as soon as possible. They have made arrangements to secure, in connection with the present quarters of the Library, the additional space required for the immediate future.

The tenth year of the work of the Library has shown a remarkable growth in its collections, and an almost equally marked increase in its usefulness to the public. The total use has been over 220,000 volumes and periodicals; and it has been frequented by 87,500 visitors, an average of 279 a day, and an increase of 11,000 over 1903. The Library now contains 131,000 volumes and 17,000 pamphlets, and receives currently 1,959 periodicals and 3,942 other continuations. For further details reference is made to the appended report of the Librarian.

The report of the Treasurer, also appended, presents the statement of the income and expenditures for the year 1904, together with a statement of the assets and investments as required by law.

Respectfully submitted,  
PETER S. GROSSCUP,  
President.

CHICAGO, January 19, 1905.

## REPORT OF THE TREASURER.

### STATEMENT OF FINANCES FOR YEAR 1904.

#### CASH.

Cash on hand January 1, 1904:

In bank	-	-	-	\$37,350.93
Librarian, petty cash	-	-	-	80.46
				<u>\$37,431.39</u>

#### RECEIPTS.

Collections account income	-	-	\$177,791.83
Huntington W. Jackson Fund, income	-	-	40.00
Bills Collectable	-	-	696.74
Investments:			
Mortgage Loans	-	-	35,000.00
Bonds	-	-	12.50
Accounts Receivable	-	-	8,675.00
			<u>\$222,216.07</u>
			<u>\$259,647.46</u>

#### DISBURSEMENTS.

Audited Vouchers	-	-	\$140,271.24
Investments:			
Bonds	-	-	\$101,755.00
			<u>\$242,026.24</u>

Cash on hand December 31, 1904:

In bank	-	-	\$17,546.55
Librarian, petty cash	-	-	74.67
			<u>\$17,621.22</u>

## REPORT OF THE TREASURER.

## OPERATION.

INCOME		\$189,548.14
BOOK PURCHASE RESERVE		17,500.00
		<u>\$207,048.14</u>

## EXPENSE.

## Administration:

Rent, Light, etc.	\$19,303.94
Salaries, Wages	39,315.70
Supplies	1,790.52
Printing	2,916.02
Transportation, Postage	1,484.54
Sundries	<u>4,300.36</u> \$69,111.08

## Books:

Books	\$51,408.02
Periodicals	5,758.42
Binding	8,581.95
Lettering, Repairs	<u>1,630.35</u> 67,378.74

## Buildings and Grounds:

Repairs	\$346.56
Depreciation	<u>1,616.67</u> 1,963.23
	<u>138,453.05</u> \$68,595.09

Total - - - - - \$4,256,138.06

## ASSETS.

Bonds	\$2,535,647.58
Stocks	968,394.50
Mortgage Loans	475,000.00
Furniture and Fixtures	14,550.08
Book Investment	244,876.46
Bills Collectable	48.22
Cash	<u>17,621.22</u>
Total	\$4,256,138.06

## LIABILITIES.

Endowment Fund	\$3,400,000.00
Building Fund	591,712.32
Book Fund	244,876.46
Security Reserve Fund	18,477.78
Huntington W. Jackson Fund	1,000.00
Huntington W. Jackson Fund Income	<u>71.50</u>
Total	\$4,256,138.06

REPORT OF THE TREASURER.

11

In accordance with the instructions of the Board of Directors the Building Fund has been increased by the amount of the surplus for the year, \$68,595.09, making a total to the credit of the Building Fund of \$591,712.32.

The Book Fund has been increased by the amount of the investment during the year, less depreciation, and now stands at \$244,876.46.

Insurance is in force covering the property of the Library in amounts as follows:

Books	- - - - -	\$207,000.00
Portraits, Furniture, Fixtures, and Decorations	- - - - -	20,000.00
Type and Cases	- - - - -	2,900.00
		<hr/> \$229,900.00

Wm. J. LOUDERBACK,  
Treasurer.

CHICAGO, January 19, 1905.

Having completed a thorough examination of the books of account and vouchers of The John Crerar Library for the twelve months ending December 31, 1904, and verified the bank balances and securities on hand as at the close of the year, and found everything in order, we hereby certify that the foregoing statements of account accurately represent the transactions of said period and the financial condition of The John Crerar Library as at December 31st, 1904.

WILKINSON, RECKITT, WILLIAMS & CO.,  
Certified Public Accountants.

CHICAGO, February 10, 1905.

## REPORT OF THE LIBRARIAN.

TO THE BOARD OF DIRECTORS OF THE JOHN CRERAR LIBRARY:

*Gentlemen:*—At the completion of the first decade of the Library's existence it may not be out of place to compare briefly the results obtained with those which were planned. The endowment is one-third larger and the permanent income one-half larger than the original estimates, the Building Fund is three times the amount intended to be spent upon the first construction, the Library has twice as many books on the shelves and serves nearly four times as many readers as was expected. Surely the Directors must feel that they are to be congratulated on these results, and they have the satisfaction of knowing that the Library's usefulness is appreciated by the citizens generally, as is shown by the large number of votes in favor of allowing it to build on Grant Park.

The most pressing problem of the year in administration has been the lack of space for books and readers. Independently of the special purchases, the regular receipts of books have brought the total number so near the limit of the capacity of the stack as to make their orderly arrangement impossible. The consequences have been a marked impairment of the promptness of the service in the Reading Room, and serious inconvenience to readers in the stack. At the same time, the increased number of readers, amounting some days to more than 500, has overtaxed the seating capacity of the Reading Room, even with all available additional seats. At the request of the Committee on Buildings and Grounds the Librarian submitted estimates of the space required for four or five years, until the new building is ready. Eventually it was found that enough additional room on the fifth floor of the present building could be obtained after January, 1906. Provision has been made for the books meanwhile by putting additional shelving in the room at the Newberry Library and transferring some 20,000 volumes to it. A rearrangement of the remaining volumes,

which is now being made, should give sufficient relief for the year. This separation of the Library into two parts, however, has proved very inconvenient. Although the volumes transferred were selected by the Librarian, Assistant Librarian, and Reference Librarian in consultation, and probably are those least likely to be called for, yet they have been wanted so many times already as to prove that any such selection is an evil. An attempt has been made to alleviate the discomfort due to the overcrowding of the Reading Room by preparing seats for readers at the tables in the stacks, but for several reasons, most of them concerning the comfort or convenience of the readers, this expedient should be employed as little as possible.

The total number of visitors recorded during the year was 87,494, and the daily average 279, making an increase of 14 per cent over the figures of 1903, which were 76,429 and 244 respectively. The increase in the attendance during the day has been somewhat larger than these figures would indicate because the average evening attendance, owing to the reopening of the Public Library in the evening, has fallen from 57 to 50. On the other hand, the average holiday attendance for the five holidays generally observed has risen from 106 to 151; but a part of this increase is due to the fact that the legal holiday of December 26 was not as strictly observed as the usual Christmas holiday. The smallest attendance on any single day was 107 on July 4, and the largest 528 on November 26. The figures for 1903 were 54 and 430 respectively. A comparison of the attendance by months as given in the first table of library statistics shows two points without precedent in previous years, an attendance for August larger than for either July or September, due in part to the cool summer weather, and a larger attendance in December than in November. It still remains true that since the Library was opened only one month has shown a smaller attendance than the same month of the previous year.

The increase in the number of calls for books from the stacks has been even larger proportionately than the increase in the number of readers; the figures being 59,591, or a daily average of 190, against 50,264 and 161 in 1903. The increase is 18 per cent. The increase in the recorded use of periodicals has been fully equal proportionately to that of visitors. Together

with the considerable increase in admissions to the stack, from 1,193 to 1,608, or 35 per cent, these figures show that the serious use of the Library has increased decidedly more than the attendance. The admissions to the stack in 1904 have been influenced quite exceptionally by a number of important special researches carried on at the Library. The telephone furnishes another means of serving the public, which is being increasingly employed. Although its use must be necessarily limited to matters in regard to which an immediate answer can be given, yet no fewer than 45 calls on such matters were answered in December. Assuming the same proportion to recorded use as in previous years, the total use of the Library may be estimated as over 220,000 volumes and periodicals.

A detailed classification of the call slips for books and periodicals and of the admissions to the stack is given in the second table of library statistics. The following table gives a comparison of the totals and percentages for each department with the corresponding figures for 1903:

	RECORDED USE				ADMISSIONS TO THE STACK			
	1903		1904		1903		1904	
	Total	Percent-	Total	Percent-	Total	Percent-	Total	Percent-
General Works.....	15,171	24	16,255	22	128	11	137	8
Social Sciences.....	9,046	14	11,195	15	138	12	209	13
Physical Sciences.....	8,471	13	10,076	14	216	18	324	20
Natural Sciences.....	5,097	8	4,723	6	274	23	339	22
Applied Sciences.....	25,943	41	32,520	43	437	36	599	37

Although the percentages for the departments show but slight changes from last year, those indicated are confirmed by an examination of the figures for the individual subjects. No fewer than sixteen subjects show decreases in the number of books called for. Logic shows a decrease of one-half and zoölogy of one-third, while the others are slight. Practically all these decreases occur in the departments of General Works and Natural Sciences. The reopening of the Public Library in the evenings probably explains the diminution of calls in the first department, but no reason is apparent for that in the second. On the other hand, in the Social Sciences the calls for political science, political economy, law, and education have increased one-half, and those in administration have doubled. In the Physical and Applied Sciences the increase has been quite

uniform, although the calls for building, architecture, and photography have increased one-half. The five leading subjects remain the same, engineering, physics, trade and transportation, chemical technology, history and geography; but the last two have changed places this year, and the last is now followed closely by political economy. In view of the new acquisitions the last named may be expected to increase still more in the immediate future.

Of the admissions to the stack 1,264 have been by registration and 344 on presentation of 26 passes. Seven additional passes have been granted, making a total of 75 nominally in force.

The distribution of the call slips for July by the residence of the readers and a comparison with similar distributions in previous years are given in the following table:

	1897	1898	1899	1900	1903	1904
South Side -----	34	35	38	38	28	36
North Side -----	19	26	24	24	31	30
West Side-----	21	22	21	23	21	20
Business District ---	14	10	10	7	10	7
Out of Town-----	12	7	7	8	11	7

The time required to fill calls has been calculated on the call slips for the last week in December. The average time was 2.37 minutes, and 80 per cent were filled within three minutes. These figures show some deterioration in the service since last year, when the figures were 2.09 and 85 respectively. That the deterioration has not been greater, considering the many new books which could not be placed in their proper places and so had to be hunted up whenever called for, is really creditable to the attendants. The difference is enough, however, when multiplied by the whole number of calls, to indicate plainly the desirability of avoiding such conditions in future.

In April the Library issued its *Ninth Annual Report*, a pamphlet of 52 pages, of which the usual edition of 4,000 copies was printed and the greater part distributed. In March it issued a *List of Books on Industrial Arts*, a volume of 249 pages. A statement of the circumstances under which it was prepared will be found in the last annual report. A *List of Cycliclopedias and Dictionaries, with a List of Directories, August, 1904*, has been printed, and is now ready for distribution. These

lists were prepared at the suggestion of the Reference Librarian in order to bring together for convenient use the titles of a special kind, much called for but scattered throughout the subject catalogue. Already it has been of great use in the work of the Reference Desk, and a supplement on cards is kept up to date there. The lists contain 1,610 titles, and form, with index, a volume of 272 pages. The other two publications already authorized by the Board, the *Second Supplement to the List of Serials*, and the *List of Histories of Science*, will be undertaken next. The following table shows the distribution of these publications:

TITLE	Date	Edition	DISTRIBUTION			On hand Dec. 31
			On hand	Jan. 1	Exchange or Gift	
Books in Reading Room --	1900	500	25	4	2	19
List of Serials -----	1901	350	175	6	13	154
Periodicals Received-----	1902	1,000	500	20	5	475
Bibliographies of Special Subjects -----	1902	966	431	39	9	383
Supplement List Serials ---	1903	754	266	20	16	230
Industrial Arts -----	1904	980	---	442	220	318
Cyclopedias and Dictionaries	1904	700	---	6	---	694

The distribution of one copy of each catalogue card to the Armour Institute of Technology, Chicago Public Library, Field Columbian Museum, Library of Congress, Northwestern University, University of Chicago, and University of Illinois, and of a selection to the United States Geological Survey has been continued. In addition, the University of Michigan and Princeton University have subscribed to the complete current issue. The former has also purchased a complete set from the beginning, and has taken advantage of its possession to order duplicate cards for some 600 titles. It is understood that Princeton University expects to do the same, and within the year a number of orders for duplicate cards have been received from Northwestern University and the United States Geological Survey, and an order for one copy of all titles for books in the Reading Room from the Louisville Public Library. The price placed on these cards by the Committee on Administration is calculated to pay for the stock, printing, and transportation, leaving the work of selection as the slight net cost of what we are assured is a very considerable assistance rendered to scholars elsewhere.

In all there have been sold during the year 51,478 cards for about \$200. From the Library of Congress we have received in exchange 42,355 cards, making a total of 159,068 now in the depository catalogue. It should be said that the prospects of the increase of this work of sale and exchange of cards are such as to demand a reconsideration of the decision not to electrotype the greater part of our titles, or else to compel us to seek some other method, such as the monotype, for their inexpensive reproduction.

The work of selection of books to be purchased has been interrupted seriously by the ten weeks' absence of the Librarian in Europe and at St. Louis; nevertheless, there has been no appreciable diminution of the arrears in the work of ordering. One result of the delay in ordering caused by these arrears is that many pamphlets, and even some books, of more or less importance but all necessary for the complete presentation of their subjects, are reported out of print and unobtainable, though they could have been obtained without trouble if they had been ordered promptly. Another result is that important foreign works, especially English, which are often called for and which are properly expected to be in the Library, are not obtained until several months or a year after publication. As most scientific books are superseded, for current use, within a few years, by new editions or later works, the failure to obtain them promptly causes not only a loss of service to readers at the time and consequently of reputation to the Library through their disappointment, but also a serious economic loss through the shorter time of usefulness. For these reasons the existing condition of this work should be remedied as soon as possible.

During the year 6,837 orders have been given. Of these 170 failed or were canceled, leaving 6,667 valid orders, covering 9,333 volumes, at an estimated cost of \$17,311.86. Of outstanding orders, 6,664 were filled, covering 9,723 volumes at a cost of \$17,761.17, leaving outstanding 1,850 orders at an estimated cost of \$5,474.92. These figures do not include 2,399 orders written for the 2,832 volumes so far accessioned from the Ely collection, nor the 6,040 volumes so far accessioned from the Truelove collection, nor 904 volumes from other large purchases and gifts, for which no separate orders were written, and which have been accessioned, but not yet classified. In the second

table of library statistics these have been entered at the head of the table under "Unclassified" together with an estimate of the balance of the Ely and Truelove collections. The books formerly put under this heading have been entered under that of "Miscellaneous" at the head of the department of General Works. The heading "Logic" has been abandoned, and the subject included in "Philosophy."

The total accessions for 1904 have been 19,933, of which 2,776 have been received as gifts and 17,159 obtained by purchase. Volumes made by binding serials and the volumes so far accessioned from the Ely and Truelove collections are included in these figures. There have been withdrawn 206 volumes, leaving the net accessions for the year 19,727, which, with the 103,291 reported for 1903, make a total now on the books of 123,018. There still remain to be accessioned some 8,000 volumes and 13,000 pamphlets from the Truelove collection, the Ely pamphlets, and the material recently obtained at the Louisiana Purchase Exposition. Otherwise the work of the Receiving Room is up to date. The following table shows the distribution of the accessions for 1904 and of the total so far accessioned by departments:

DEPARTMENT	ACCESSIONS 1904		TOTAL	
	Volumes	Percent- age	Volumes	Percent- age
Unclassified -----	8,173	--	9,732	--
General Works-----	1,929	17	21,715	19
Social Sciences-----	3,488	30	30,032	27
Physical Sciences-----	1,259	11	15,153	13
Natural Sciences-----	1,474	13	16,180	14
Applied Sciences-----	3,404	29	30,206	27

The percentages have been calculated for the classified books only. It will be seen that the growth of the Library, independently of the special purchases, has been fairly symmetrical.

The periodicals currently received for use in the periodical alcove are 1,959, of which 292 are received as gifts and 1,667 by subscription at an estimated yearly cost of \$5,752.28. Their classification is shown in the second table of library statistics.

The expectation that the completion of the Continuation Record would secure a prompt notice of failures to receive issues due has been disappointed by the necessity of partially withdrawing the assistant from the work to fill another position made

vacant temporarily by illness. For the same reason it is not possible to report to what extent such failures have occurred. There were added to the list during the year 552 titles and 74 were withdrawn from it, leaving 3,942 on the list at the end of the year. Some 1,700 are obtained by purchase at a cost in 1904 of \$2,782.93.

In the last report brief mention was made of the purchase of a large collection on the Social Sciences through Mr. Truelove, of London. It may be said now that it was formed by Mr. C. V. Gerritsen of Amsterdam, recently a member of the States General of the Netherlands, and for many years a member of the Town Council of Amsterdam. It was twenty-five years in formation and reflects his interests and tastes, being especially strong in the subjects of finance, labor, socialism, and general sociology. While it contains many old and rare items, it is not of such great value on this account as on account of its fullness. Its purchase may be said to have anticipated those which the library would naturally have made in the next ten years, and in addition to have secured quite a number of items which might not come into the market again for a long time, if at all. It is not practicable to note separate items, but mention may be made of remarkably complete sets of the Proceedings of the States General, and of the Amsterdam Town Council; of a large amount of material relating to John Law and the Mississippi Bubble, and on early French Socialism.

Included in the library was a notable collection on the social, political and legal status of woman, begun by Mrs. Gerritsen (Dr. Aletta H. Jacobs). A catalogue of this collection, complete to 1900, was exhibited at the Paris Exposition of that year, and received a diploma of honor. A number of copies of this catalogue will be presented to libraries interested in the subject.

According to the synopsis, the whole collection contained 18,000 volumes and 13,000 pamphlets, divided approximately as follows:

	Volumes	Pamphlets
General Works	4,450	600
Statistics	350	550
Political Science	400	450
Political Economy	8,400	7,800
Public Law and Administration	1,700	600
Woman Question	2,700	3,000

Professor H. S. Foxwell, of Cambridge, examined it for the Library and strongly advised its purchase. The slip catalogue was sent over and compared with that of the Library. The duplication was less than had been feared, amounting only to about 2,200 volumes. These were removed by the Librarian before the collection was packed, and were sold abroad. With the proceeds and with the balance of the appropriation there were obtained a selection of British Parliamentary Papers and a notable collection of early French documents on economic subjects, and several important sets of periodicals on various subjects. The main collection filled 122 boxes, weighing in all seventeen tons. It was duly received the latter part of May, and sent to the Newberry Library, where it has been opened and made partly available to scholars by means of its own author catalogue and a rough subject arrangement on shelves. Already 6,040 volumes have been accessioned, and it is hoped that the work of classification and cataloguing can be begun soon. During the recent meeting of the American Economic Association the Library received many congratulations on these acquisitions.

Naturally the other purchases of the year seem insignificant besides these; still the purchases of a collection of Illinois documents running back nearly to the beginning, of a collection of technical and trade journals, and of a set of the *Systematisches Conchylien Cabinet*, by Martini and Chemnitz, are worth mentioning. A number of sets of periodicals have been completed. Among these, including those obtained abroad by the Librarian, are: the publications of the *Hollandsche Maatschappij* of Haarlem, *Manifesto* (Shakers), *Revue d'entomologie*, *Revue et magasin de zoologie*, *Die Tropfenpflanze*, *Anales del Museo de La Plata*, *Annales industrielles*, *Handelsmuseum*, *Journal des chemins de fer*, *Gewerbehalle*, *Revue internationale de l'électricité*, *Abhandlungen zur geologischen Specialkarte von Preussen*, *Repertorium der analytischen Chemie*, *Pädagogisches Magazin*, *Transactions of the Asiatic Society of Japan*, *Annales du commerce extérieur*.

There were received during the year 5,809 gifts from 1,048 donors, and 2,776 gifts have been entered in the accession books. The figures for 1903 were 6,656, 1,059, and 2,809 respectively. Among those accessioned were the volumes and pamphlets from

the late Henry D. Lloyd, another large instalment of the insurance material from Mr. C. E. Rollins, and a set of *The Locomotive* from the Hartford Steam Boiler Inspection and Insurance Company. Special mention should be made of a most generous gift from Mr. Gerritsen of nearly 200 volumes not included in the purchase; many of them were bought by him expressly for presentation to the library in order to make his collection more complete. The Library received also about 150 volumes and pamphlets from Mrs. Henry D. Lloyd, from the library of her father, Hon. William Bross. These deal largely with the early history of Illinois and Chicago, and fill many gaps in our collection on those subjects. Another interesting gift is a very large collection of material distributed at the Louisiana Purchase Exposition. The official publications of the Exposition itself and of the foreign and state governments represented were obtained by the Librarian personally, and the material distributed by the exhibitors by agents sent out by him. In both cases great assistance was received from letters of introduction given by the Exposition authorities. One of the most important and valuable gifts of individual works is a copy, in fine condition, of the first edition of Adam Smith's *Wealth of Nations* from Professor H. S. Foxwell, of Cambridge, England.

Following the rearrangement of the books on the shelves there has been begun an inventory which has now covered one-sixth of the shelves. It is not possible to report results until the work has been finished, but it may be said that so far no larger percentage of loss and misplacement has been discovered than in previous inventories. Only three volumes have been reported missing from the Reading Room, but thirteen cases of mutilation have been detected. Fortunately one person appears to have been guilty in most of these cases, but a question is brought up as to whether or not the safeguards and penalties are sufficient. One person, detected in marking a book after having been warned, has been deprived of the privileges of the Library.

On January 1, 1904, there were at the bindery 607 volumes and 7,330 were sent during the year; 23 were returned as incomplete and 7,285 bound, leaving 629 at the bindery December 31, 1904. The total cost of binding was \$8,581.95, an average of

\$1.18 per volume. This is a return in amount and rate to the figures of years previous to 1903. The next year, however, will have an especial burden to bear if many of the unbound True-love books are reached in cataloguing. The cost of lettering and repairs, including also the insertion of book-plates and the cutting and pasting of order slips, was \$1,630.35.

The Cataloguer reports that the assistance received from the Library of Congress cards has enabled him not only to keep up with the regular current accessions but also to catalogue the best part of the volumes in the Ely collection. During the year 4,480 new titles have been prepared for print; 114 new titles typewritten; 64 old typewritten titles prepared for print; 2,995 titles received from the Library of Congress have been classified for the catalogues; 541 titles have been prepared for the co-operative analysis of serials, and 198 such titles prepared by other libraries have been classified and placed in the catalogues. The total number of titles treated by the Cataloguer and Classifier and their assistants has been 9,154, an increase of 1,053 over 1903. The titles reprinted in correction of errors were 29, and for other alterations, 653. Cards for 4,413 new titles and 756 reprinted titles were received from the printer, electrotypes for 321 new titles and 583 reprinted titles from the electrotypers. The total number of separate titles prepared for print to date is 43,338; of sets of cards received, 43,166; of electrotypes, 35,878.

The number of orders sent to the Library of Congress, on triplicate order sheets, was 6,764, and reports were received on 6,291, leaving 473 outstanding. There were cards for 827 titles on hand January 1, 1904, and 3,879 were received during the year; cards for 2,995 were used, and for 334 withdrawn from the file, leaving those for 1,377 on hand December 31. Of those withdrawn 27 titles had been replaced by the Library of Congress in correction of errors, without charge; 153 showed such differences in cataloguing that they could not be used, and for 154 the books could not be obtained. Cards have been received for 214 titles ordered in 1902 and 1903, for which the books have not been received, but for which the orders have not yet been canceled. It is probable that the greater part of these also will be useless. The proportion of unusable cards is, therefore,

considerably higher than was at first supposed, amounting to about seven per cent, but even this proportion is inconsiderable in comparison with the advantages secured. An additional advantage which has become of importance this year is the obtaining of cards for works in series, of which 277 titles were received for 118 different serials. On the other hand, the regular cataloguing has been so nearly up to date that it has not seemed best to give as many orders as last year for titles which the Library of Congress could not supply when the book was received here.

The list of serials analyzed in co-operation with other libraries has been altered materially by the omission of those for which printed cards are supplied by the Library of Congress. These have been replaced by others which are intended to furnish about the same number of titles. Many of those dropped were scientific, but the additions are largely of the same character, so that the interest of the Library in the work has not been affected. It has supplied 541 titles and received cards for 3,507 at a net cost of \$60.09.

The insertion of added entries in the official catalogue has been finished through R, and a much needed revision of the public author catalogue has been carried through K. During the year 18,200 cards have been filed in the classed catalogue, which now contains some 55,000 titles on 115,500 cards, an average of 2.10 cards per title; 13,900 cards have been filed in the author catalogue, which now contains the same 55,000 titles on 93,800 cards, an average of 1.71 cards per title; 1,931 guides and 5,275 cards have been added to the subject index, which now contains 14,800 guides and 12,100 cards, covering 25,800 titles, an average of 0.47 cards per title. The distribution of the entries in the classed catalogue is shown in the second table of library statistics. The topographical index is not included in the table nor in the figures just quoted. It has been completed to date, and now contains 22,300 cards, covering the 55,000 titles, an average of 0.41 cards per title. As the official catalogue is a duplicate, so far as the cards printed by the Library are concerned, of the public author catalogue, and as the shelf-list requires one copy of each title, it follows that the average number of cards used in the catalogues is 7.4; 9 or more are

sent to depository and subscribing libraries, and perhaps another copy, on the average, used in various indexes.

The Library was invited to be represented officially at the Fiftieth Convocation of the University of Chicago in March; it was represented officially by the Librarian, and unofficially by ten members of the staff, at the annual meeting of the American Library Association at St. Louis, October 17 to 22, and unofficially by the Librarian at the annual meeting of the New York Library Association, held at Lake Placid, September 26 to October 1.

As a part of the exhibition of American library methods and appliances made by the Library of Congress at the Louisiana Purchase Exposition there was shown a sample catalogue illustrating the system in use at the Library, and by request this will be exhibited at the Lewis and Clark Centennial Exposition, to be held at Portland in 1905.

The Library has lost by death the services of its Assistant Janitor, William R. Bickham, the first of the staff to die in service, and by resignation those of Mr. William M. Hepburn, Assistant Reference Librarian; Miss Estelle Lutrell, junior assistant; Messrs. Oscar Norman and Joseph Blight, attendants; and Frank Huntscha, page. Mr. Harold L. Leupp has been appointed Assistant Reference Librarian; Misses Jennie A. Hulce and Adah Patton, junior assistants; Messrs. Michael Bauer and William G. Reddingius, attendants; Harold Skrogstad and Andrew Barnickel, pages; Mr. George H. Jones, assistant janitor. The services of Misses Mabel Hayward and Cara F. Swenson as temporary junior assistants have been secured. The record of work accomplished speaks for itself in commendation of the efficiency of the staff.

Respectfully submitted,

CLEMENT W. ANDREWS,  
Librarian.

CHICAGO, January 19, 1905.

LIBRARY STATISTICS: I.

RECORD OF ATTENDANCE AND USE FOR 1904.

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.	TOTAL 1904	TOTAL 1903	IN- CREASE PER CT.
Visitors	7,626	7,439	8,027	7,223	6,494	6,990	6,067	7,453	6,827	7,457	8,140	8,552	87,494	76,429	—
Daily Average	270	290	297	278	250	269	233	276	263	287	313	317	279	244	14
Calls for Books from Stack	5,216	5,416	5,164	4,608	4,077	4,681	4,203	5,477	4,349	5,040	5,650	5,710	59,591	50,264	—
Daily Average	201	217	191	177	157	180	162	203	167	194	217	211	190	161	18
Calls for Periodicals from Alcove	1,312	1,253	1,360	1,063	1,016	1,286	1,188	1,381	1,107	1,306	1,441	1,465	15,178	13,264	—
Daily Average	50	50	50	41	39	49	46	51	43	50	55	54	48	42	14
Visitors Admitted to Stack	130	143	144	143	111	123	147	118	132	142	140	135	1,668	1,193	35

Smallest attendance, 107 on July 4th. Largest attendance, 328 on November 26th.

COMPARISON BY YEARS.

	1897 9 mos.	1898	1899	1900	1901	1902	1903	1904
Visitors	18,584	30,516	34,827	41,697	54,838	66,512	76,429	87,494
Daily Average	80	99	113	134	175	213	244	279
Calls for Books from Stack	6,995	15,367	18,890	23,996	32,193	39,666	50,264	59,591
Daily Average	30	50	61	77	103	127	161	190
Calls for Periodicals from Alcove	3,864	7,213	8,013	8,667	9,741	12,250	13,264	15,178
Daily Average	17	23	26	28	31	39	42	48
Visitors Admitted to Stack	359	656	1,017	1,019	1,046	1,167	1,193	1,668
Volumes in Library	29,141	43,061	55,223	65,645	76,432	89,219	103,291	123,061

**LIBRARY STATISTICS: II.**

SUBJECTS	ORDERS			ACCESSIONS			CATALOGUE			PERIODICALS			RECORDED USE		
	1904		Total	1904		Total	1904		Total	1904		Total	1904		
	Vol.	Est. Cost	Vol.	No.	Est. Cost	No.	Entries	No.	Cost	No.	Cost	Books	Periodicals	Stack	
UNCLASSIFIED-----															
1.—GENERAL WORKS:															
o Miscellaneous-----	27,504	\$33,646 85	36,695	8,173	\$48,646 85	9,732	-----	-----	-----	-----	-----	-----	-----	-----	
1 Bibliography-----	171	396 05	1,286	4404 93	52	766	3,292	8	\$22 40	1,471	119	4			
2 Library Economy-----	337	677 79	2,726	6,727 35	428	3,324	7,050	120	317 07	6,19	122	16			
3 Cyclopedias-----	90	85 21	1,043	1,008 52	129	1,143	2,062	28	47 21	281	27	11			
4 Collected Works of Authors-----	32	93 60	1,021	1,920 40	36	1,014	1,82	1	90	146	122	1			
5 General Periodicals-----	43	326 67	221	821 08	25	201	146	-----	-----	211	-----	-----			
6 General Societies-----	73	134 72	2,748	3,304 62	181	3,634	412	88	317 67	1,895	4,080	14			
7 Exhibits and Museums-----	159	498 87	3,199	10,502 01	222	3,685	519	79	190 90	974	71	13			
10 Philosophy-----	101	196 98	978	1,162 35	80	835	1,034	15	11 20	221	43	2			
13, 15 Psychology-----	109	128 43	862	1,295 28	143	891	1,287	13	42 46	206	92	1			
40 Philology-----	125	127 17	896	1,365 20	129	966	1,430	19	83 56	2,187	146	63			
90 History and Geography-----	60	171 40	741	1,484 65	38	540	858	-----	-----	272	-----	-----			
91 Cartography-----	339	727 15	2,888	6,420 51	397	3,400	4,191	4	1 89	2,584	-----	9			
1,685	\$3,706 08	19,228	\$42,014 21	1,929	21,715	23,555	399	\$1,123 83	11,381	4,874	137	3			
II.—SOCIAL SCIENCES:															
17 Ethics-----	110	\$113 41	441	\$461 82	61	429	935	9	\$6 45	369	49	4			
20 Religion-----	39	59 87	257	\$432 92	44	301	974	2	50	374	2	3			
30 General Works-----	131	176 32	2,127	2,355 22	154	1,609	1,782	48	113 66	1,058	184	7			
31 Statistics-----	49	107 27	1,359	1,692 80	86	1,314	1,370	28	74 26	127	6	3			
32 Political Science-----	123	177 48	955	1,455 20	162	1,535	2,040	4	4 90	761	27	29			
33 Political Economy-----	476	553 70	4,140	4,833 75	636	5,111	7,161	137	282 05	2,306	514	109			
34 Law-----	124	288 68	623	1,412 71	139	881	2,035	10	37 46	3,359	4	1			
35 Administration (including Pub- lic Documents)-----	306	524 50	2,936	3,979 49	961	10,133	4,120	39	177 32	807	47	22			
36 Associations and Institutions-----	94	194 33	912	1,015 15	327	2,044	1,534	28	60 66	528	51	5			
37 Education-----	390	354 19	2,755	2,985 93	472	4,055	4,458	75	88 74	2,094	139	7			
38 Commerce and Communication-----	102	128 53	1,000	1,620 84	369	2,141	1,754	38	73 50	483	355	18			
39 Customs, Folklore, etc.-----	81	131 31	452	728 86	77	479	1,122	6	7 99	545	6	1			
	2,025	\$2,808 99	17,957	\$22,974 69	3,488	30,032	29,285	424	\$927 39	9,811	1,384	209			

Subjects	ORDERS				ACCESSIONS				CATALOGUE				PERIODICALS				RECORDED USE				
	1904		Total		1904		Total		1904		Entries		1904		Cost		Books		Periodicals		
	Vol.	Est. Cost	Vol.	Est. Cost	No.	No.	No.	No.	Total	Total	No.	No.	Total	Total	No.	No.	Books	Periodicals	Books	Periodicals	Stack
<b>III.—PHYSICAL SCIENCES:</b>																					
50 General Works	48	\$4170	2,673	\$5,799	17	170	2,934	776	27	\$8501	328	18	1								
51 Mathematics	188	26380	2,291	5,424	17	207	3,282	2,302	54	12813	1,442	22	66								
52 Astronomy	187	30483	2,590	5,337	15	172	2,434	2,145	28	7631	1,002	17	9								
53 Physics	345	52765	3,424	6,210	40	418	3,822	4,851	61	23148	3,947	975	58								
54 Chemistry and Mineralogy	280	42606	3,615	7,786	27	292	3,581	3,744	43	23352	2,058	267	190								
<b>IV.—NATURAL SCIENCES:</b>	<b>1,048</b>	<b>\$1,56404</b>	<b>14,593</b>	<b>\$30,467</b>	<b>16</b>	<b>1,259</b>	<b>15,153</b>	<b>13,818</b>	<b>213</b>	<b>\$75445</b>	<b>8,777</b>	<b>1,299</b>	<b>324</b>								
55 Geology	191	\$29819	2,886	\$5,822	62	338	3,395	4,119	64	\$12756	1,188	46	16								
56 Palaeontology	45	18903	488	2,244	81	44	486	1,172	5	4187	23	1	1								
57 Biology and Natural Sciences in General	567	1,47933	5,110	17,615	31	357	4,854	4,511	122	38882	1,127	49	45								
58 Botany	176	69670	2,440	9,816	80	274	2,614	3,399	69	26068	846	70	88								
59 Zoology	885	1,79930	5,264	25,881	98	461	4,831	7,760	101	67548	1,257	116	189								
	1,864	\$4,46255	16,188	\$61,381	52	1,474	16,180	20,961	361	\$1,49441	4,441	282	339								
<b>V.—APPLIED SCIENCES:</b>																					
60, 70 General Works	336	\$50680	3,505	\$6,234	59	358	4,121	1,386	73	\$21382	1,229	1,716	219								
61 Hygiene	260	36876	1,723	2,866	81	315	2,442	3,399	61	13436	2,157	200	14								
62 Engineering	428	76791	7,522	12,878	58	720	8,726	7,546	158	46770	7,220	4,523	104								
63 Agriculture	335	42504	3,074	3,246	99	460	3,558	3,036	46	9517	1,792	162	104								
64 Domestic Economy	110	11400	596	567	61	120	646	802	9	880	948	128	6								
65 Trade and Transportation	348	56245	2,295	4,192	82	407	3,076	8,085	53	3402	3,373	1,042	22								
66 Chemical Technology	313	60547	2,185	4,790	37	346	2,415	2,467	51	16066	2,731	331	72								
67, 68 Manufactures and Trades	154	31902	1,406	2,457	89	185	1,662	1,716	34	7693	1,399	209	17								
69 Building	68	11517	834	1,576	22	97	965	1,139	16	4276	1,156	165	1								
71 Landscape Gardening	55	13377	324	642	93	54	344	446	6	1708	156	39	1								
72 Architecture	72	19502	430	1,445	78	110	637	908	21	10549	717	322	3								
73-76 Drawing, Design, etc.	135	55597	817	2,339	70	157	793	1,443	6	2973	1,626	175	31								
77 Photography	97	10172	648	346	96	95	821	759	28	6628	677	327	5								
	2,711	\$4,77020	25,359	\$43,585	45	3,404	30,206	28,192	562	\$1,45220	25,181	7,339	599								
Total	9,333	17,31186	-----	249,069	88	19,727	123,018	19,727	1,959*	5,752	28	59,591	15,178	1,608							

• 22 by gift.

## LIST OF DONORS.

	Volumes or Pamphlets.
Abell, A. S. & Co., <i>Baltimore, Md.</i> .....	1
Academy of Science of St. Louis, <i>St. Louis, Mo.</i> .....	1
Accademia di Scienze, Lettere ed Arti, <i>Padua, Italy.</i> .....	1
Acetylene Journal Publishing Co., <i>Chicago, Ill.</i> .....	3
Adams Bindery, <i>New York, N. Y.</i> .....	1
Adirondack League Club, <i>New York, N. Y.</i> .....	2
Adler Color & Chemical Works, <i>New York, N. Y.</i> .....	2
Alabama, Department of Archives and History, <i>Montgomery, Ala.</i> .....	19
Alabama Polytechnic Institute, <i>Auburn, Ala.</i> .....	4
Alabama, State Auditor, <i>Montgomery, Ala.</i> .....	1
Allegheny College, <i>Meadville, Pa.</i> .....	4
Alley, Henry, <i>Wenham, Mass.</i> .....	1
Altoona, City Clerk, <i>Altoona, Pa.</i> .....	1
American Bankers Association, <i>Chicago, Ill.</i> .....	2
American Book Co., <i>Chicago, Ill.</i> .....	1
American Brewers' Review Co., <i>Chicago, Ill.</i> .....	1
American Bureau of Industrial Research, <i>Madison, Wis.</i> .....	3
American Climatological Association, <i>Philadelphia, Pa.</i> .....	2
American Electrical Works, <i>Phillipsdale, R. I.</i> .....	1
American Entomological Society, <i>Philadelphia, Pa.</i> .....	1
American Foundrymen's Association, <i>New York, N. Y.</i> .....	9
American Free Trade League, <i>Boston, Mass.</i> .....	3
American Institute of Architects, <i>Washington, D. C.</i> .....	1
American Institute of Electrical Engineers, <i>New York, N. Y.</i> .....	3
American Institute of Mining Engineers, <i>New York, N. Y.</i> .....	4
American Labor Union, <i>Chicago, Ill.</i> .....	1
American Library Association, <i>Boston, Mass.</i> .....	10
American Mathematical Society, <i>New York, N. Y.</i> .....	1
American Museum of Natural History, <i>New York, N. Y.</i> .....	4
American Park and Outdoor Art Association, <i>Rochester, N. Y.</i> .....	1
American Pharmaceutical Association, <i>Baltimore, Md.</i> .....	1
American Protective Tariff League, <i>New York, N. Y.</i> .....	3
American Railway Engineering and Maintenance of Way Association, <i>Chicago, Ill.</i> .....	15
American Railway Master Mechanics Association, <i>Chicago, Ill.</i> .....	1
American Ramabai Association, <i>Boston, Mass.</i> .....	7
American Society of Heating and Ventilating Engineers, <i>New York, N. Y.</i> .....	1
American Society of Mechanical Engineers, <i>New York, N. Y.</i> .....	2
American Street Flushing Machine Co., <i>St. Louis, Mo.</i> .....	1
American Telephone & Telegraph Co., <i>Boston, Mass.</i> .....	2
American Water Works Association, <i>Elmira, N. Y.</i> .....	2
Amherst College, <i>Amherst, Mass.</i> .....	10

## LIST OF DONORS.

29

Volumes or  
Pamphlets.

Andorra Nurseries, <i>Philadelphia, Pa.</i>	5
Andover Theological Seminary, <i>Andover, Mass.</i>	1
Andrews, Clement W., <i>Chicago, Ill.</i>	3
Apfel-Murdoch Co., <i>Chicago, Ill.</i>	1
Appeal Publishing Co., <i>Girard, Kan.</i>	102
Appleton, D., & Co., <i>New York, N. Y.</i>	1
Arbeiterversicherung des Deutschen Reichs, <i>St. Louis, Mo.</i>	18
Armour Institute of Technology, <i>Chicago, Ill.</i>	2
Army Corps Society, <i>Louisville, Ky.</i>	1
Army War College, <i>Washington, D. C.</i>	1
Art Metal Construction Co., <i>Jamestown, N. Y.</i>	2
Associated Jewish Charities, <i>Chicago, Ill.</i>	2
Association of American Physicians, <i>Philadelphia, Pa.</i>	1
Association of American Railway Accounting Officers, <i>Chicago, Ill.</i>	1
Association of Collegiate Alumnæ, <i>Williamstown, Mass.</i>	2
Association of Ontario Land Surveyors, <i>Toronto, Can.</i>	1
Association Parisienne des Propriétaires d'Appareils à Vapeur, <i>Paris, France</i>	1
Astronomical and Astrophysical Society of America, <i>Madison, Wis.</i>	2
Atchison, Topeka & Santa Fé Railroad Co., <i>Chicago, Ill.</i>	6
Athenæum, <i>Chicago, Ill.</i>	2
Atlanta University, <i>Atlanta, Ga.</i>	3
Augustana College and Theological Seminary, <i>Rock Island, Ill.</i>	1
Australasian Association for the Advancement of Science, <i>Sydney, Australia</i>	1
Badger Brass Manufacturing Co., <i>Kenosha, Wis.</i>	1
Baer, Joseph, & Co., <i>Frankfort-on-the-Main, Germany</i>	1
Baltimore & Ohio Railroad Co., Relief Department, <i>Baltimore, Md.</i>	17
Baltimore Chamber of Commerce, <i>Baltimore, Md.</i>	1
Baltimore Charity Organization Society, <i>Baltimore, Md.</i>	1
Baltimore City Library, <i>Baltimore, Md.</i>	1
Baltimore, Police Commissioners, <i>Baltimore, Md.</i>	1
Bankers Encyclopedia Co., <i>Chicago, Ill.</i>	2
Barclay, James S., <i>Estate of, Oak Park, Ill.</i>	17
Barker, G. W., <i>Chicago, Ill.</i>	50
Barnard, Prof. E. E., <i>Williams Bay, Wis.</i>	1
Barnhart Bros. & Spindlar, <i>Chicago, Ill.</i>	2
Barr, Charles J., <i>Chicago, Ill.</i>	8
Bateson, William, <i>Cambridge, Eng.</i>	3
Bausch & Lomb Optical Co., <i>Rochester, N. Y.</i>	2
Belleville Public Library, <i>Belleville, Ill.</i>	1
Bellevue College Library, <i>Bellevue, Neb.</i>	1
Beloit College Library, <i>Beloit, Wis.</i>	1
Berkshire Athenæum, <i>Pittsfield, Mass.</i>	1
Berriman, Charles S., <i>New York, N. Y.</i>	1
Biblioteca del Senato del Regno, <i>Rome, Italy</i>	1
Bibliothek der Handels- und Gewerbekammer für Oberbayern, <i>Munich, Bavaria</i>	1
Birmingham Free Libraries, <i>Birmingham, Eng.</i>	3
Bishop, William W., <i>Princeton, N. J.</i>	1

## LIST OF DONORS.

	Volumes or Pamphlets.
Black, Dr. Carl E., <i>Jacksonville, Ill.</i> .....	1
Blatchford, E. W., <i>Chicago, Ill.</i> .....	2
Bodleian Library, <i>Oxford, Eng.</i> .....	2
Bordentown Military Institute, <i>Bordentown, N. J.</i> .....	1
Boston & Maine Railroad Co., <i>Boston, Mass.</i> .....	1
Boston Architectural Club, <i>Boston, Mass.</i> .....	1
Boston Asylum and Farm School, <i>Thompson Island, Mass.</i> .....	2
Boston Athenæum, <i>Boston, Mass.</i> .....	1
Boston, Board of Trade, <i>Boston, Mass.</i> .....	2
Boston Book Co., <i>Boston, Mass.</i> .....	3
Boston Chamber of Commerce, <i>Boston, Mass.</i> .....	1
Boston Children's Aid Society, <i>Boston, Mass.</i> .....	2
Boston City Hospital, <i>Boston, Mass.</i> .....	1
Boston Manufacturers Mutual Fire Insurance Co., <i>Boston, Mass.</i> .....	7
Boston Museum of Fine Arts, <i>Boston, Mass.</i> .....	2
Boston Public Library, <i>Boston, Mass.</i> .....	26
Boston Record Commissioners, <i>Boston, Mass.</i> .....	2
Boston Society of Natural History, <i>Boston, Mass.</i> .....	1
Boston, Statistics Department, <i>Boston, Mass.</i> .....	4
Boston Transit Commission, <i>Boston, Mass.</i> .....	2
Boston University, <i>Boston, Mass.</i> .....	1
Bowdoin College Library, <i>Brunswick, Me.</i> .....	2
Brassey, Lord, <i>London, Eng.</i> .....	1
Brazilian Diamond, Gold & Developing Co., <i>Chicago, Ill.</i> .....	1
British Columbia, Bureau of Provincial Information and Immigration, <i>Victoria, B. C.</i> .....	2
British Columbia, Minister of Mines, <i>Victoria, B. C.</i> .....	1
British South Africa Co., <i>London, Eng.</i> .....	2
Brockton Public Library, <i>Brockton, Mass.</i> .....	3
Bronson Library, <i>Waterbury, Conn.</i> .....	1
Brookline Public Library, <i>Brookline, Mass.</i> .....	2
Brooklyn Eagle, <i>Brooklyn, N. Y.</i> .....	1
Brooklyn Engineers Club, <i>Brooklyn, N. Y.</i> .....	1
Brooklyn Institute of Arts and Sciences, <i>Brooklyn, N. Y.</i> .....	5
Brooklyn Public Library, <i>Brooklyn, N. Y.</i> .....	5
Brotherhood of Locomotive Engineers, <i>Cleveland, O.</i> .....	1
Brown, Charles H., <i>Chicago, Ill.</i> .....	11
Brown, J. D., <i>London, Eng.</i> .....	1
Brown & Sharp Manufacturing Co., <i>Providence, R. I.</i> .....	1
Brown University, <i>Providence, R. I.</i> .....	8
Bryn Mawr College, <i>Bryn Mawr, Pa.</i> .....	1
Buenos Ayres & Pacific Railway Co., <i>London, Eng.</i> .....	1
Buffalo, Board of Police, <i>Buffalo, N. Y.</i> .....	1
Buffalo, Comptroller, <i>Buffalo, N. Y.</i> .....	2
Buffalo, Department of Health, <i>Buffalo, N. Y.</i> .....	1
Buffalo Forge Co., <i>Buffalo, N. Y.</i> .....	1
Buffalo Park Commissioners, <i>Buffalo, N. Y.</i> .....	3
Buffalo Public Library, <i>Buffalo, N. Y.</i> .....	2
Burlington Free Public Library, <i>Burlington, Ia.</i> .....	2
Bussey Institution, <i>Jamaica Plain, Mass.</i> .....	1

## LIST OF DONORS.

31

Volumes or  
Pamphlets

Butler, Dr. Nicholas M., <i>New York, N. Y.</i> .....	1
Butler, William M., <i>Rochester, N. Y.</i> .....	1
Butterfield, Mrs. Daniel, <i>New York, N. Y.</i> .....	1
Butterworth, Theodore A., <i>Chicago, Ill.</i> .....	2
California Academy of Sciences, <i>San Francisco, Cal.</i> .....	4
California, Bureau of Labor Statistics, <i>Sacramento, Cal.</i> .....	1
California Promotion Committee, <i>San Francisco, Cal.</i> .....	8
California State Board of Horticulture, <i>Sacramento, Cal.</i> .....	2
California State Library, <i>Sacramento, Cal.</i> .....	3
Calm, Charles E., <i>Chicago, Ill.</i> .....	4
Cambria Steel Co., <i>Johnstown, Pa.</i> .....	1
Cambridge, Board of Health, <i>Cambridge, Mass.</i> .....	1
Cambridge, Messenger's Office, <i>Cambridge, Mass.</i> .....	2
Cambridge, Park Department, <i>Cambridge, Mass.</i> .....	1
Cambridge Public Library, <i>Cambridge, Mass.</i> .....	2
Cambridge University Library, <i>Cambridge, Eng.</i> .....	22
Camp Agassiz, <i>Glen Alpine, Cal.</i> .....	1
Canada, Census Office, <i>Ottawa, Can.</i> .....	2
Canada, Department of Agriculture, <i>Ottawa, Can.</i> .....	30
Canada, Department of Labor, <i>Ottawa, Can.</i> .....	1
Canada, Geological Survey, <i>Ottawa, Can.</i> .....	16
Canadian Pacific Railway Co., <i>Chicago, Ill.</i> .....	2
Canadian Society of Civil Engineers, <i>Montreal, Can.</i> .....	5
Cancos Manufacturing Co., <i>Philadelphia, Pa.</i> .....	1
Cape of Good Hope, Registrar General, <i>Cape Town, South Africa.</i> .....	1
Carey, Philip, Manufacturing Co., <i>Lockland, O.</i> .....	2
Carleton College, <i>Northfield, Minn.</i> .....	2
Carmack, Hon. E. W., <i>Washington, D. C.</i> .....	1
Carnegie Free Library, <i>Alleghany, Pa.</i> .....	2
Carnegie Institute, <i>Pittsburgh, Pa.</i> .....	1
Carnegie Institution of Washington, <i>Washington, D. C.</i> .....	17
Carnegie Library, <i>Atlanta, Ga.</i> .....	1
Carnegie Library, <i>Nashville, Tenn.</i> .....	2
Carnegie Library, <i>Pittsburgh, Pa.</i> .....	4
Carnegie Museum, <i>Pittsburgh, Pa.</i> .....	3
Carnegie Public Library, <i>Bradford, Pa.</i> .....	2
Carpenter, Benjamin, <i>Chicago, Ill.</i> .....	1
Case School of Applied Sciences, <i>Cleveland, O.</i> .....	1
Catholic University of America, <i>Washington, D. C.</i> .....	2
Cedar Rapids Free Public Library, <i>Cedar Rapids, Ia.</i> .....	1
Central Electric Co., <i>Chicago, Ill.</i> .....	4
Central Passenger Association, <i>Chicago, Ill.</i> .....	4
Chautauqua Institution, <i>Chautauqua, N. Y.</i> .....	1
Chicago & Alton Railway Co., <i>Chicago, Ill.</i> .....	2
Chicago & Eastern Illinois Railroad Co., <i>Chicago, Ill.</i> .....	4
Chicago & Northwestern Railway Co., <i>Chicago, Ill.</i> .....	1
Chicago Architectural Club, <i>Chicago, Ill.</i> .....	2
Chicago Art Institute, <i>Chicago, Ill.</i> .....	15
Chicago Banker Co., <i>Chicago, Ill.</i> .....	2
Chicago, Board of Education, <i>Chicago, Ill.</i> .....	5

## LIST OF DONORS.

	Volumes or Pamphlets.
Chicago Board of Trade, <i>Chicago, Ill.</i> -----	1
Chicago, Board of Trustees of Sanitary District, <i>Chicago, Ill.</i> -----	1
Chicago Bureau of Justice, <i>Chicago, Ill.</i> -----	3
Chicago, Burlington & Quincy Railroad Co., <i>Chicago, Ill.</i> -----	3
Chicago Business Law School, <i>Chicago, Ill.</i> -----	1
Chicago, City Attorney, <i>Chicago, Ill.</i> -----	1
Chicago, City Council, <i>Chicago, Ill.</i> -----	1
Chicago Civil Service Commission, <i>Chicago, Ill.</i> -----	1
Chicago College of Pharmacy, <i>Chicago, Ill.</i> -----	1
Chicago Commercial Club, <i>Chicago, Ill.</i> -----	1
Chicago, Comptroller, <i>Chicago, Ill.</i> -----	1
Chicago, Department of Electricity, <i>Chicago, Ill.</i> -----	1
Chicago, Department of Health, <i>Chicago, Ill.</i> -----	2
Chicago, Department of Public Works, <i>Chicago, Ill.</i> -----	1
Chicago Great Western Railway Co., <i>Chicago, Ill.</i> -----	1
Chicago Historical Society, <i>Chicago, Ill.</i> -----	1
Chicago Law Institute, <i>Chicago, Ill.</i> -----	2
Chicago Law School, <i>Chicago, Ill.</i> -----	1
Chicago Literary Club, <i>Chicago, Ill.</i> -----	1
Chicago Lying-in Hospital and Dispensary, <i>Chicago, Ill.</i> -----	3
Chicago, Milwaukee & St. Paul Railway Co., <i>Chicago, Ill.</i> -----	1
Chicago Municipal Library and Bureau of Statistics, <i>Chicago, Ill.</i> -----	1
Chicago National Bank, <i>Chicago, Ill.</i> -----	1
Chicago New Charter Convention, <i>Chicago, Ill.</i> -----	2
Chicago Public Library, <i>Chicago, Ill.</i> -----	5
Chicago Real Estate Board, <i>Chicago, Ill.</i> -----	2
Chicago Relief and Aid Society, <i>Chicago, Ill.</i> -----	1
Chicago, Rock Island & Pacific Railway Co., <i>Chicago, Ill.</i> -----	2
Chicago, St. Paul, Minneapolis & Omaha Railway Co., <i>Chicago, Ill.</i> -----	1
Chicago Society for School Extension, <i>Chicago, Ill.</i> -----	5
Chicago Teachers' Federation, <i>Chicago, Ill.</i> -----	1
Chicago Telephone Co., <i>Chicago, Ill.</i> -----	1
Chicago Women's Club, <i>Chicago, Ill.</i> -----	2
Children's Hospital Society of Chicago, <i>Chicago, Ill.</i> -----	1
Chipco Nurseries, <i>Interlachen, Fla.</i> -----	1
Choisel, Frank W., <i>St. Louis, Mo.</i> -----	1
Cigar Makers' International Union of America, <i>Chicago, Ill.</i> -----	1
Cincinnati, Board of Education, <i>Cincinnati, O.</i> -----	1
Cincinnati, Commissioners of Water Works, <i>Cincinnati, O.</i> -----	1
Cincinnati Milling Machine Co., <i>Cincinnati, O.</i> -----	5
Cincinnati Public Library, <i>Cincinnati, O.</i> -----	6
Cincinnati Society of Natural History, <i>Cincinnati, O.</i> -----	4
Cincinnati Water Department, <i>Cincinnati, O.</i> -----	2
Citizens' Association of Chicago, <i>Chicago, Ill.</i> -----	4
City Club of Chicago, <i>Chicago, Ill.</i> -----	1
Civic Club of Philadelphia, <i>Philadelphia, Pa.</i> -----	1
Civic Federation of Chicago, <i>Chicago, Ill.</i> -----	1
Civil Service Reform Association, <i>New York, N. Y.</i> -----	15
Clark University, <i>Worcester, Mass.</i> -----	1
Clercq, P. de, <i>Leeuwarden, Holland.</i> -----	1

## LIST OF DONORS.

33

Volumes or  
Pamphlets.

Cleveland, Board of Education, <i>Cleveland, O.</i> -----	2
Cleveland Public Library, <i>Cleveland, O.</i> -----	1
Cobden Club, <i>London, Eng.</i> -----	8
Coburn Library, <i>Colorado Springs, Colo.</i> -----	1
Colgate University, <i>Hamilton, N. Y.</i> -----	1
College of William and Mary, <i>Williamsburg, Va.</i> -----	1
Colorado College, <i>Colorado Springs, Colo.</i> -----	1
Colorado School of Mines, <i>Golden, Colo.</i> -----	4
Colorado State Agricultural College, <i>Fort Collins, Colo.</i> -----	17
Colorado State Normal School, <i>Greeley, Colo.</i> -----	1
Columbia University, <i>New York, N. Y.</i> -----	34
Columbia University Library, <i>New York, N. Y.</i> -----	1
Columbia University, Observatory, <i>New York, N. Y.</i> -----	1
Commercial National Bank, <i>Chicago, Ill.</i> -----	2
Commerz-Bibliothek, <i>Hamburg, Germany</i> -----	1
Concord Public Library, <i>Concord, N. H.</i> -----	1
Connecticut Agricultural Experiment Station, <i>New Haven, Conn.</i> -----	4
Connecticut, Bureau of Labor, <i>Hartford, Conn.</i> -----	1
Connecticut, Railroad Commissioners, <i>Hartford, Conn.</i> -----	1
Connecticut Society of Civil Engineers, <i>New Haven, Conn.</i> -----	1
Connecticut, State Board of Health, <i>New Haven, Conn.</i> -----	1
Connecticut State Library, <i>Hartford, Conn.</i> -----	2
Continental Plant Co., <i>Kittrell, N. C.</i> -----	1
Cook County Commissioners, <i>Chicago, Ill.</i> -----	2
Cooper Union for the Advancement of Science and Art, <i>New York, N. Y.</i> -----	1
Co-operative Common Wealth Association, <i>St. Louis, Mo.</i> -----	1
Cope, Mrs. C. M., <i>Chicago, Ill.</i> -----	1
Cornell College, <i>Mount Vernon, Ia.</i> -----	3
Cornell University, <i>Ithaca, N. Y.</i> -----	7
Cornell University, Agricultural Experiment Station, <i>Ithaca, N. Y.</i> -----	13
Cornell University, Medical College, <i>Ithaca, N. Y.</i> -----	1
Cornell University, State Veterinary College, <i>Ithaca, N. Y.</i> -----	2
Corthill, E. C., <i>New York, N. Y.</i> -----	1
Cottrell, C. B., & Sons Co., <i>New York, N. Y.</i> -----	1
Crandall, Bruce V., <i>Chicago, Ill.</i> -----	1
Craz & Gerlach'sche Buchhandlung, <i>Freiburg, Saxony</i> -----	1
Crosby Steam Gage & Valve Co., <i>Chicago, Ill.</i> -----	1
Cullerton, Edward F., <i>Chicago, Ill.</i> -----	1
Dalley, Henry, <i>New York, N. Y.</i> -----	10
Dartmouth College, <i>Hanover, N. H.</i> -----	2
Davenport Free Public Library, <i>Davenport, Ia.</i> -----	1
Davis & Harvey, <i>Philadelphia, Pa.</i> -----	1
Dayton Public Library and Museum, <i>Dayton, O.</i> -----	1
Deane, Ruthven, <i>Chicago, Ill.</i> -----	1
Degener, F. Walter, <i>St. Louis, Mo.</i> -----	1
Delaware College, Agricultural Experiment Station, <i>Newark, Del.</i> -----	5
Denver & Rio Grande Railroad Co., <i>Denver, Colo.</i> -----	1
De Pauw University, <i>Greencastle, Ind.</i> -----	3
Derrick Publishing Co., <i>Oil City, Pa.</i> -----	1

## LIST OF DONORS.

	Volumes or Pamphlets.
Derry-Collard Co., <i>New York, N. Y.</i> .....	1
Detroit, City Controller, <i>Detroit, Mich.</i> .....	1
Detroit, Commissioner of Parks and Boulevards, <i>Detroit, Mich.</i> .....	1
Detroit, Common Council, <i>Detroit, Mich.</i> .....	2
Detroit Public Library, <i>Detroit, Mich.</i> .....	2
Detroit Public Lighting Commission, <i>Detroit, Mich.</i> .....	1
Deutscher Buchgewerbeverein, <i>Leipzig, Germany</i> .....	1
Deutscher Verein für Versicherungs-Wissenschaft, <i>Berlin, Germany</i> .....	2
District of Columbia, Public Library, <i>Washington, D. C.</i> .....	9
Dobbin, Emily E., <i>Williams Bay, Wis.</i> .....	1
Donnelley, R. R. & Sons Co., <i>Chicago, Ill.</i> .....	2
Drexel Institute of Arts, Science, and Industry, <i>Philadelphia, Pa.</i> .....	6
Drew Theological Seminary, <i>Madison, N. J.</i> .....	1
Duluth Public Library, <i>Duluth, Minn.</i> .....	1
Dun, R. G. & Co., <i>New York, N. Y.</i> .....	1
Dunlap, W. B., <i>San Francisco, Cal.</i> .....	1
East St. Louis Public Library, <i>East St. Louis, Ill.</i> .....	1
East Side House Settlement, <i>Cleveland, O.</i> .....	1
Eastern Audit Co., <i>Boston, Mass.</i> .....	2
Eau Claire Public Library, <i>Eau Claire, Wis.</i> .....	1
Edmunds, Albert J., <i>Philadelphia, Pa.</i> .....	1
Edward Thompson Co., <i>Northport, N. Y.</i> .....	1
Elberfeld, Stadtbücherei, <i>Elberfeld, Germany</i> .....	4
Electricity Newspaper Co., <i>New York, N. Y.</i> .....	2
Elisha Mitchell Scientific Society, <i>Chapel Hill, N. C.</i> .....	1
Enoch Pratt Free Library, <i>Baltimore, Md.</i> .....	1
Ensign, F. G., <i>Chicago, Ill.</i> .....	3
Entomological Society of Washington, <i>Washington, D. C.</i> .....	1
Essex Institute, <i>Salem, Mass.</i> .....	1
Erbés, Philip H., <i>Chicago, Ill.</i> .....	1
Evanston Press, <i>Evanston, Ill.</i> .....	1
Evanston Public Library, <i>Evanston, Ill.</i> .....	3
Exponent, <i>Saginaw, Mich.</i> .....	1
Fairbanks, Morse & Co., <i>Chicago, Ill.</i> .....	20
Fairhope Industrial Association, <i>Fairhope, Ala.</i> .....	2
Fairmount Park Art Association, <i>Philadelphia, Pa.</i> .....	1
Field Columbian Museum, <i>Chicago, Ill.</i> .....	18
Finsen Light Institute of America, <i>Chicago, Ill.</i> .....	2
First State Pawners Society, <i>Chicago, Ill.</i> .....	1
Fletcher Free Library, <i>Burlington, Vt.</i> .....	1
Fletcher Memorial Library, <i>Ludlow, Vt.</i> .....	1
Florida Agricultural Experiment Station, <i>Lake City, Fla.</i> .....	10
Florida, Department of Agriculture, <i>Tallahassee, Fla.</i> .....	1
Flower, Mrs. J. M., <i>Chicago, Ill.</i> .....	16
Forstall, Gertrude, <i>Chicago, Ill.</i> .....	12
Forstall, Mrs. T., <i>Chicago, Ill.</i> .....	3
Fort Wayne Electric Works, <i>Fort Wayne, Ind.</i> .....	20
Fort Worth & Denver City Railway Co., <i>Fort Worth, Tex.</i> .....	1
Foxwell, Prof. H. S., <i>Cambridge, Eng.</i> .....	2
Frank, Dr. Mortimer, <i>Chicago, Ill.</i> .....	2

## LIST OF DONORS.

35

Volumes or  
Pamphlets.

French, George, <i>Boston, Mass.</i> .....	1
Friedlander, R., & Sohn, <i>Berlin, Germany</i> .....	46
Fries, John W., <i>Winston-Salem, N. C.</i> .....	2
Frost Manufacturing Co., <i>Galesburg, Ill.</i> .....	1
Fruit Grower Co., <i>St. Joseph, Mo.</i> .....	1
Fuchs, Albert, <i>Chicago, Ill.</i> .....	1
Fuller, Charles H., Advertising Agency, <i>Chicago, Ill.</i> .....	1
Furness, William E., <i>Chicago, Ill.</i> .....	126
Fürstliche Stolberg-Wernigerödische Bibliothek, <i>Wernigerode, Prussia</i> .....	1
Gail Borden Public Library, <i>Elgin, Ill.</i> .....	1
Galesburg Public Library, <i>Galesburg, Ill.</i> .....	1
Gallinger, Hon. V. H., <i>Washington, D. C.</i> .....	4
Garrett Biblical Institute, <i>Evanston, Ill.</i> .....	1
Gauthier Villars et Fils, <i>Paris, France</i> .....	1
Gehe-Stiftung zu Dresden, <i>Dresden, Germany</i> .....	1
Geisenheimer & Co., <i>New York, N. Y.</i> .....	1
General Electric Co., <i>Schenectady, N. Y.</i> .....	58
General Society of Mechanics and Tradesmen of New York, <i>New York, N. Y.</i> .....	1
Geneva, Bibliothèque Publique, <i>Geneva, Switzerland</i> .....	1
George G. Meade Post, Grand Army of the Republic, <i>Chicago, Ill.</i> .....	2
George Junior Republic, <i>Freeville, N. Y.</i> .....	1
Georgetown University, <i>Washington, D. C.</i> .....	2
Georgia, Agricultural Experiment Station, <i>Experiment, Ga.</i> .....	5
Georgia, Board of Entomology, <i>Atlanta, Ga.</i> .....	3
Georgia, State Horticultural Society, <i>Augusta, Ga.</i> .....	1
Georgia, Railroad Commission, <i>Atlanta, Ga.</i> .....	1
Germany Society of the City of New York, <i>New York, N. Y.</i> .....	1
Gerritsen, C. V., <i>Amsterdam, Netherlands</i> .....	177
Gettysburg National Park, <i>Gettysburg, Pa.</i> .....	1
Glen Saint Mary Nurseries, <i>Glen Saint Mary, Fla.</i> .....	1
Gloucester Public Library, <i>Gloucester, Eng.</i> .....	1
Goheen Manufacturing Co., <i>Canton, O.</i> .....	2
Göteborgs Stadsbibliotek, <i>Göteborg, Sweden</i> .....	2
Gottschalk, Dr. Franklin B., <i>Chicago, Ill.</i> .....	2
Gould, John M., <i>Portland, Me.</i> .....	3
Goulds Manufacturing Co., <i>Seneca Falls, N. Y.</i> .....	1
Gray, Henry, <i>London, Eng.</i> .....	1
Gray, Mrs. Maggie M., <i>Chicago, Ill.</i> .....	5
Great Britain, Patent Office Library, <i>London, Eng.</i> .....	2
Great Northern Railway Co., <i>New York, N. Y.</i> .....	1
Greeley, Samuel S., <i>Chicago, Ill.</i> .....	3
Green, Dr. Samuel A., <i>Boston, Mass.</i> .....	5
Greene, Marian E., <i>Chicago, Ill.</i> .....	1
Greenville College, <i>Greenville, Ill.</i> .....	1
Gregg Publishing Co., <i>Chicago, Ill.</i> .....	3
Grenoble, Bibliothèque Municipale, <i>Grenoble, France</i> .....	1
Grolier Club, <i>New York, N. Y.</i> .....	1
Grossherzogliche Bibliothek in Weimar, <i>Weimar, Germany</i> .....	3

## LIST OF DONORS.

	Volumes or Pamphlets.
Grossherzogliche Universitäts-Bibliothek Giessen, <i>Giessen, Germany</i>	1
Groton Public Library, <i>Groton, Mass.</i>	1
Guayaquil, Biblioteca Municipal, <i>Guayaquil, Ecuador</i>	4
Guildhall Library, <i>London, Eng.</i>	2
Gunn, <i>Mrs. J. H., Austin, Ill.</i>	3
Hamburg, Stadtbibliothek, <i>Hamburg, Germany</i>	4
Hamilton Public Library, <i>Hamilton, Can.</i>	1
Hamline, John H., <i>Chicago, Ill.</i>	1
Harrison, <i>Hon. Carter H., Chicago, Ill.</i>	1
Hart, Hastings M., <i>Chicago, Ill.</i>	4
Hartford School of Religious Pedagogy, <i>Hartford, Conn.</i>	1
Hartford Steam Boiler Inspection & Insurance Co., <i>Chicago, Ill.</i>	18
Hartford Theological Seminary, <i>Hartford, Conn.</i>	1
Harvard Medical Alumni Association, <i>Boston, Mass.</i>	1
Harvard Mining Club, <i>Cambridge, Mass.</i>	1
Harvard University, <i>Cambridge, Mass.</i>	1
Harvard University, Astronomical Observatory, <i>Cambridge, Mass.</i>	18
Harvard University, Museum of Comparative Zoölogy, <i>Cambridge, Mass.</i>	1
Harveian Co., <i>New York, N. Y.</i>	1
Haskins & Sells, <i>Chicago, Ill.</i>	7
Haupt, R., <i>Halle, Germany</i>	1
Havana Tobacco Co., <i>New York, N. Y.</i>	1
Haverford College, <i>Haverford, Pa.</i>	1
Haverhill Public Library, <i>Haverhill, Mass.</i>	2
Hawaii Promotion Committee, <i>Honolulu, Hawaii</i>	1
Hawley, Mary E., <i>Chicago, Ill.</i>	25
Hazlitt, George K. & Co., <i>Chicago, Ill.</i>	1
Helena Public Library, <i>Helena, Mont.</i>	2
Henion & Hubbell, <i>Chicago, Ill.</i>	4
Hepburn, William M., <i>Lafayette, Ind.</i>	1
Hill School, <i>Pottstown, Pa.</i>	1
Historical and Scientific Society of Manitoba, <i>Winnipeg, Can.</i>	9
Historical Society of Pennsylvania, <i>Philadelphia, Pa.</i>	2
Hoboken Free Public Library, <i>Hoboken, N. J.</i>	9
Hoch, Edmund S., <i>St. Louis, Mo.</i>	1
Hoepli, U., <i>Milan, Italy</i>	1
Holland Society of New York, <i>New York, N. Y.</i>	1
Holmes, Dr. Bayard, <i>Chicago, Ill.</i>	2
Home for Aged Jews of Chicago, <i>Chicago, Ill.</i>	2
Home Market Club, <i>Boston, Mass.</i>	1
Hopkins, <i>Hon. A. J., Washington, D. C.</i>	11
Horton, Dr. Horace E., <i>Waukegan, Ill.</i>	8
Hough Shade Corporation, <i>Janesville, Wis.</i>	1
House Furnishing Review, <i>New York, N. Y.</i>	1
Hull House, <i>Chicago, Ill.</i>	1
Hyde, William H., & Co., <i>Milwaukee, Wis.</i>	1
Hyde Park Protective Association, <i>Chicago, Ill.</i>	1
Illinois, Adjutant-General, <i>Springfield, Ill.</i>	2
Illinois, Auditor of Public Accounts, <i>Springfield, Ill.</i>	6

## LIST OF DONORS.

37

Volumes or  
Pamphlets.

Illinois, Bureau of Labor Statistics, <i>Springfield, Ill.</i> .....	3
Illinois, Canal Commissioners, <i>Lockport, Ill.</i> .....	2
Illinois Central Railroad Co., <i>Chicago, Ill.</i> .....	3
Illinois Children's Home and Aid Society, <i>Chicago, Ill.</i> .....	3
Illinois County Superintendent of Schools, <i>Taylorville, Ill.</i> .....	2
Illinois, Factory Inspector, <i>Chicago, Ill.</i> .....	1
Illinois Farmers' Institute, <i>Springfield, Ill.</i> .....	1
Illinois, Insurance Superintendent, <i>Springfield, Ill.</i> .....	11
Illinois, Railroad and Warehouse Commission, <i>Springfield, Ill.</i> .....	5
Illinois Society of Engineers and Surveyors, <i>Chicago, Ill.</i> .....	1
Illinois Soldiers' Widows' Home, <i>Wilmington, Ill.</i> .....	1
Illinois State Board of Agriculture, <i>Springfield, Ill.</i> .....	2
Illinois State Board of Dental Examiners, <i>Chicago, Ill.</i> .....	2
Illinois State Board of Pharmacy, <i>Springfield, Ill.</i> .....	1
Illinois State Board of Live Stock Commissioners, <i>Springfield, Ill.</i> .....	1
Illinois State Historical Library, <i>Springfield, Ill.</i> .....	3
Illinois State Laboratory of Natural History, <i>Urbana, Ill.</i> .....	3
Illinois State Library, <i>Springfield, Ill.</i> .....	1
Illinois State Normal University, <i>Normal, Ill.</i> .....	1
Illinois State Reformatory, <i>Pontiac, Ill.</i> .....	1
Illinois, Superintendent of Public Instruction, <i>Springfield, Ill.</i> .....	3
Illinois Volksblatt Publishing Association, <i>Chicago, Ill.</i> .....	1
Immigration Restriction League, <i>Boston, Mass.</i> .....	3
Imperial Consulate of Japan, <i>Chicago, Ill.</i> .....	3
Imperial Library, <i>Tokyo, Japan</i> .....	2
Indiana Academy of Science, <i>Indianapolis, Ind.</i> .....	10
Indiana Board of State Charities, <i>Indianapolis, Ind.</i> .....	1
Indiana State Board of Health, <i>Indianapolis, Ind.</i> .....	1
Indiana State Library, <i>Indianapolis, Ind.</i> .....	55
Indiana University, <i>Bloomington, Ind.</i> .....	3
Indianapolis, <i>Ind.</i> , City of .....	3
Indianapolis Public Library, <i>Indianapolis, Ind.</i> .....	3
Information Publishing Co., <i>Chicago, Ill.</i> .....	1
Institut International de Bibliographie, <i>Brussels, Belgium</i> .....	22
Institute of Jamaica, <i>Kingston, Jamaica</i> .....	1
Instituto Geológico de México, <i>Mexico City, Mexico</i> .....	1
Insurance Engineering Experiment Station, <i>Boston, Mass.</i> .....	6
International Association of Car Accountants and Car Service Officers, <i>Buffalo, N. Y.</i> .....	6
International Brotherhood of Maintenance-of-Way Employees, <i>St. Louis, Mo.</i> .....	1
International Bureau of the American Republics, <i>Washington, D.C.</i> .....	6
International Catholic Truth Society, <i>New York, N. Y.</i> .....	1
International Textbook Co., <i>Chicago, Ill.</i> .....	1
Interstate Commerce Commission, <i>Washington, D. C.</i> .....	4
Iowa Academy of Science, <i>Des Moines, Ia.</i> .....	1
Iowa Geological Survey, <i>Des Moines, Ia.</i> .....	1
Iowa Library Commission, <i>Des Moines, Ia.</i> .....	3
Iowa Masonic Library, <i>Des Moines, Ia.</i> .....	1
Iowa, Railroad Commission, <i>Des Moines, Ia.</i> .....	1

## LIST OF DONORS.

	Volumes or Pamphlets.
Iowa State Board of Health, <i>Des Moines, Ia.</i>	1
Iowa State College of Agricultural and Mechanic Arts, <i>Ames, Ia.</i>	8
Iowa State Horticultural Society, <i>Des Moines, Ia.</i>	1
Iowa State Library, <i>Des Moines, Ia.</i>	22
Iowa State Normal School, <i>Cedar Falls, Ia.</i>	1
Iron Moulder's Union of North America, <i>Cincinnati, O.</i>	2
Isthmian Canal Commission, <i>Washington, D. C.</i>	1
J. Herman Bosler Memorial Library, <i>Carlisle, Pa.</i>	1
Jackson, Hall N., <i>Cincinnati, O.</i>	*245
James Blackstone Memorial Library, <i>Branford, Conn.</i>	1
James, Fred S., & Co., <i>Chicago, Ill.</i>	1
Japan, Department of Finance, <i>Tokyo, Japan.</i>	1
Jersey City Free Public Library, <i>Jersey City, N. J.</i>	2
Jewish Publication Society of America, <i>Philadelphia, Pa.</i>	1
John F. Slater Fund Trustees, <i>Washington, D. C.</i>	1
John Marshall Law School, <i>Chicago, Ill.</i>	1
John Rylands Library, <i>Manchester, Eng.</i>	6
Johns Hopkins University, <i>Baltimore, Md.</i>	5
Johnson, Riley O., <i>Chicago, Ill.</i>	3
Josephson, Aksel G. S., <i>Chicago, Ill.</i>	5
Kahler, Charles O., <i>New York, N. Y.</i>	1
Kaiserliche Leopoldinisch-Carolinische Deutsche Akademie der Naturforscher, <i>Halle, Germany.</i>	2
Kansas Academy of Science, <i>Topeka, Kan.</i>	1
Kansas, Bureau of Labor and Industrial Statistics, <i>Topeka, Kan.</i>	1
Kansas City Public Library, <i>Kansas City, Mo.</i>	2
Kansas City Southern Railway Co., <i>Kansas City, Mo.</i>	2
Kansas State Agricultural College, <i>Manhattan, Kan.</i>	2
Kansas State Agricultural College, Experiment Station, <i>Man- hattan, Kan.</i>	19
Kansas State Board of Agriculture, <i>Topeka, Kan.</i>	2
Kantons-Bibliothek, <i>Solothurn, Switzerland</i>	2
Kaukasisches Museum, <i>Tiflis, Russia</i>	12
Kennicott Water Softener Co., <i>Chicago, Ill.</i>	1
Kentucky, Commissioner of Agriculture, Labor and Statistics, <i>Lexington, Ky.</i>	1
Kentucky, Agricultural Experiment Station, <i>Lexington, Ky.</i>	3
Kimball, Duran, <i>Chicago, Ill.</i>	1
Kimball, William P., <i>San Francisco, Cal.</i>	1
Kimbark, S. D., & Co., <i>Chicago, Ill.</i>	1
Kirchner, H. W., <i>St. Louis, Mo.</i>	1
Knott, L. E., Apparatus Co., <i>Boston, Mass.</i>	3
Kongelige Bibliothek, <i>Copenhagen, Denmark</i>	2
Kongliga Universitets-Biblioteket, <i>Upsala, Sweden</i>	2
Kongliga Vetenskaps-Akademien, <i>Stockholm, Sweden</i>	1
Königliche Forstakademie, <i>Eberswald, Germany</i>	2
Königliche Universitäts-Bibliothek, <i>Kiel, Germany</i>	1
Königliche Universitäts-Bibliothek, <i>Königsberg, Prussia</i>	1

\* Estimated.

## LIST OF DONORS.

39

Volumes or  
Pamphlets

Königliche Universitäts-Bibliothek, <i>Marburg, Germany</i> .....	3
Königliche Universitäts- und Landes-Bibliothek, <i>Strasburg, Germany</i> .....	8
Korporation der Kaufmannschaft, Bibliothek, <i>Berlin, Germany</i> .....	1
Labor Leader, <i>Lancaster, Pa.</i> .....	1
Lafayette College, <i>Easton, Pa.</i> .....	4
Lagorio, <i>Dr. Antonio, Chicago, Ill.</i> .....	1
Lake Forest University, <i>Lake Forest, Ill.</i> .....	1
Lake Mohonk Conference on International Arbitration, <i>Lake Mohonk, N. Y.</i> .....	1
Lake Placid Conference on Home Economics, <i>Boston, Mass.</i> .....	1
Lake Superior Mining Institute, <i>Ishpeming, Mich.</i> .....	1
Lancaster Town Library, <i>Lancaster, Mass.</i> .....	1
Lands Plantentuin, <i>Buitenzorg, Java</i> .....	12
Lasell Seminary, <i>Auburndale, Mass.</i> .....	1
Lawrence, Julius, <i>Chicago, Ill.</i> .....	1
Lawrence Public Library, <i>Lawrence, Mass.</i> .....	1
Lawrenceville School, <i>Lawrenceville, N. J.</i> .....	1
League of American Municipalities, <i>Des Moines, Ia.</i> .....	1
Leander McCormick Observatory, <i>Charlottesville, Va.</i> .....	1
Leeds Free Public Libraries, <i>Leeds, Eng.</i> .....	1
Lehigh University, <i>South Bethlehem, Pa.</i> .....	1
Leighton, J. & J., <i>London, Eng.</i> .....	1
Leland Stanford Junior University, <i>Stanford University, Cal.</i> .....	7
Lemcke & Buechner, <i>New York, N. Y.</i> .....	17
Lesehalle in Bremen, <i>Bremen, Germany</i> .....	1
Letchworth, William P., <i>Glen Iris, N. Y.</i> .....	1
Leupp, Harold C., <i>Chicago, Ill.</i> .....	1
Lewis and Clark Centennial Exposition, <i>Portland, Ore.</i> .....	1
Lewis and Clark Publishing Co., <i>Portland, Ore.</i> .....	2
Lewis Institute, <i>Chicago, Ill.</i> .....	1
Librairie Damascène Morgand, <i>Paris, France</i> .....	1
Library Association of California, <i>San Francisco, Cal.</i> .....	1
Library Association of Portland, <i>Portland, Ore.</i> .....	2
Library Bureau, <i>Chicago, Ill.</i> .....	2
Library Company of Philadelphia, <i>Philadelphia, Pa.</i> .....	2
Library of Congress, <i>Washington, D. C.</i> .....	67
Light Publishing Co., <i>New York, N. Y.</i> .....	1
Ligium Inversion Co., <i>Chicago, Ill.</i> .....	2
Liverpool Free Public Library, <i>Liverpool, Eng.</i> .....	1
Liverpool School of Tropical Medicine, <i>Liverpool, Eng.</i> .....	1
Lloyd, Mrs. Henry D., <i>Winnetka, Ill.</i> .....	155
London Library, <i>London, Eng.</i> .....	2
Long, Elias A., <i>Chicago, Ill.</i> .....	1
Longmans, Green & Co., <i>New York, N. Y.</i> .....	1
Loomis, George P., <i>Chicago, Ill.</i> .....	1
Lord & Thomas Publishing Co., <i>Chicago, Ill.</i> .....	1
Los Angeles Public Library, <i>Los Angeles, Cal.</i> .....	2
Los Angeles Socialist Party, <i>Los Angeles, Cal.</i> .....	1
Louisiana State Board of Health, <i>New Orleans, La.</i> .....	1

## LIST OF DONORS.

	Volumes or Pamphlets.
Louisville & Nashville Railroad Co., <i>Louisville, Ky.</i> -----	2
Louisville Public Library, <i>Louisville, Ky.</i> -----	1
Lübeck, Stadtbibliothek, <i>Lübeck, Germany</i> -----	3
Lynn Public Library, <i>Lynn, Mass.</i> -----	2
Macfarlane, Alexander, <i>Chatham, Ont.</i> -----	4
Macmillan Co., <i>New York, N. Y.</i> -----	1
Madison, Board of Water Commissioners, <i>Madison, Wis.</i> -----	1
Madison Free Library, <i>Madison, Wis.</i> -----	1
McAlpine, J. D. <i>Cleveland, O.</i> -----	1
McCleary, Hon. James T., <i>Washington, D. C.</i> -----	2
McClurg, A. C., & Co., <i>Chicago, Ill.</i> -----	2
McComas, Hon. L. E., <i>Washington, D. C.</i> -----	1
McGill University, <i>Montreal, Can.</i> -----	1
McPherson, Dr. Simon J., <i>Lawrenceville, N. J.</i> -----	1
McPike, E. F., <i>Chicago, Ill.</i> -----	1
Madrid, Biblioteca Municipal, <i>Madrid, Spain</i> -----	2
Mahin, John L., <i>Chicago, Ill.</i> -----	1
Maine, Agricultural Experiment Station, <i>Orono, Me.</i> -----	15
Maine, Bureau of Industrial and Labor Statistics, <i>Augusta, Me.</i> -----	1
Maine State Library, <i>Augusta, Me.</i> -----	19
Maltine Co., <i>Brooklyn, N. Y.</i> -----	1
Manitoba Government Office, <i>Toronto, Can.</i> -----	1
Marchand, P. A., <i>Cincinnati, O.</i> -----	1
Marge, M., <i>Paris, France</i> -----	2
Marine Biological Laboratory, <i>Woods Holl, Mass.</i> -----	1
Maryland Geological Survey, <i>Baltimore, Md.</i> -----	3
Maryland State Library, <i>Annapolis, Md.</i> -----	5
Maryland State Library Commission, <i>Baltimore, Md.</i> -----	1
Massachusetts Agricultural College, Hatch Experiment Station, <i>Amherst, Mass.</i> -----	14
Massachusetts, Board of Commissioners of Savings Banks, <i>Boston, Mass.</i> -----	2
Massachusetts, Board of Gas and Electric Light Commissioners, <i>Boston, Mass.</i> -----	1
Massachusetts, Bureau of Statistics of Labor, <i>Boston, Mass.</i> -----	5
Massachusetts Free Public Library Commission, <i>Boston, Mass.</i> -----	1
Massachusetts General Hospital, <i>Boston, Mass.</i> -----	2
Massachusetts Highway Commission, <i>Boston, Mass.</i> -----	1
Massachusetts Horticultural Society, <i>Boston, Mass.</i> -----	1
Massachusetts Institute of Technology, <i>Boston, Mass.</i> -----	5
Massachusetts, Secretary of the Commonwealth, <i>Boston, Mass.</i> -----	2
Massachusetts State Library, <i>Boston, Mass.</i> -----	95
Matthews-Northrup Works, <i>Buffalo, N. Y.</i> -----	1
Maybury, Hon. William C., <i>Detroit, Mich.</i> -----	1
Mead, Wilson L. <i>Chicago, Ill.</i> -----	2
Meaker, G. L., <i>Chicago, Ill.</i> -----	1
Mellen, George E., <i>Chicago, Ill.</i> -----	1
Memphis Evening Scimitar, <i>Memphis, Tenn.</i> -----	1
Mercantile Library of New York, <i>New York, N. Y.</i> -----	1
Merchants' Association, <i>San Francisco, Cal.</i> -----	1

LIST OF DONORS.

41

Volumes or  
Pamphlets.

Merchants' Association of New York, <i>New York, N. Y.</i> .....	2
Merchants' Exchange of St. Louis, <i>St. Louis, Mo.</i> .....	1
Merck & Co., <i>New York, N. Y.</i> .....	1
Metropolitan Water and Sewerage Board, <i>Boston, Mass.</i> .....	1
Metz, H. A., & Co., <i>New York, N. Y.</i> .....	2
Mexican Central Railway Co., <i>St. Louis, Mo.</i> .....	15
Mexico, Secretaria de Fomento, Colonización e Industria, <i>City of Mexico, Mexico</i> .....	4
Meyer, Dr. A. B., <i>Dresden, Germany</i> .....	4
Michigan Academy of Science, <i>Ann Arbor, Mich.</i> .....	4
Michigan, Bureau of Labor and Industrial Statistics, <i>Lansing, Mich.</i> .....	1
Michigan Central Railroad Co., <i>Chicago, Ill.</i> .....	5
Michigan College of Mines, <i>Houghton, Mich.</i> .....	2
Michigan, Commissioner of Railroads, <i>Lansing, Mich.</i> .....	1
Michigan, Department of State, <i>Lansing, Mich.</i> .....	2
Michigan State Agricultural College, Experiment Station, <i>Agricultural College, Mich.</i> .....	4
Michigan State Board of Health, <i>Lansing, Mich.</i> .....	5
Miller, Hugo, <i>Indianapolis, Ind.</i> .....	1
Millers' & Manufacturers' Insurance Co., <i>Minneapolis, Minn.</i> .....	1
Milwaukee Public Library, <i>Milwaukee, Wis.</i> .....	2
Milwaukee Social Democratic Publishing Co., <i>Milwaukee, Wis.</i> .....	1
Mines and Minerals, <i>Scranton, Pa.</i> .....	1
Minneapolis, Board of Park Commissioners, <i>Minneapolis, Minn.</i> .....	3
Minneapolis Public Library, <i>Minneapolis, Minn.</i> .....	2
Minnesota State Board of Health, <i>St. Paul, Minn.</i> .....	1
Minnesota State Normal School, <i>Winona, Minn.</i> .....	1
Missouri, Agricultural Experiment Station, <i>Columbia, Mo.</i> .....	1
Missouri Botanical Garden, <i>St. Louis, Mo.</i> .....	1
Missouri, Bureau of Geology and Mines, <i>Rolla, Mo.</i> .....	2
Missouri, Bureau of Labor Statistics and Inspection, <i>Jefferson City, Mo.</i> .....	1
Missouri Coal Mine Inspection, <i>Jefferson City, Mo.</i> .....	1
Missouri Pacific Railway Co., <i>New York, N. Y.</i> .....	1
Missouri Railroad and Warehouse Commission, <i>Jefferson City, Mo.</i> .....	1
Missouri State Horticultural Society, <i>Kansas City, Mo.</i> .....	1
Missouri State Lead and Zinc Mine Inspector, <i>Jefferson City, Mo.</i> .....	1
Missouri State Superintendent of Public Schools, <i>Jefferson City, Mo.</i> .....	1
Moberly Free Public Library, <i>Moberly, Mo.</i> .....	1
Montana, Agricultural Experiment Station, <i>Bozeman, Mont.</i> .....	5
Morgan, J. Pierpont, <i>New York, N. Y.</i> .....	1
Morristown School, <i>Morristown, N. J.</i> .....	1
Morse-Boulger Destructor Co., <i>New York, N. Y.</i> .....	1
Mourlon, Michel, <i>Brussels, Belgium</i> .....	1
Municipal Art League of Chicago, <i>Chicago, Ill.</i> .....	3
Municipal Voters' League, <i>Chicago, Ill.</i> .....	1
Murphy, Dr. J. B., <i>Chicago, Ill.</i> .....	1

## LIST OF DONORS.

	Volumes or Pamphlets
Museum für Volkerkunde, <i>Hamburg, Germany</i> .....	1
National Association of Manufacturers of America, <i>New York, N. Y.</i> .....	7
National Association of Wool Manufacturers, <i>Boston, Mass.</i> .....	1
National Cash Register Co., <i>Dayton, O.</i> .....	2
National City Bank of New York, <i>New York, N. Y.</i> .....	1
National Civic Federation, <i>New York, N. Y.</i> .....	3
National Civil Service Reform League, <i>New York, N. Y.</i> .....	1
National Conference on Secondary Education, <i>Evanston, Ill.</i> .....	1
National Consumers' League, <i>New York, N. Y.</i> .....	1
National Educational Association.....	1
National Electric Light Association, <i>New York, N. Y.</i> .....	3
National League for the Protection of the Family, <i>Auburndale, Mass.</i> .....	1
National Metal Trades Association, <i>Cincinnati, O.</i> .....	1
National Meter Co., <i>Chicago, Ill.</i> .....	3
National Municipal League, <i>Philadelphia, Pa.</i> .....	12
National Newark Banking Co., <i>Newark, N. J.</i> .....	1
Natural History Society, <i>Montreal, Can.</i> .....	1
Naturwissenschaftliche Gesellschaft Isis, <i>Dresden, Germany</i> .....	2
Nebraska, Agricultural Experiment Station, <i>Lincoln, Neb.</i> .....	8
Nebraska Public Library Commission, <i>Lincoln, Neb.</i> .....	1
Nelson, Baker & Co., <i>Detroit, Mich.</i> .....	1
New Bedford Free Public Library, <i>New Bedford, Mass.</i> .....	4
New Brunswick, Crown Land Department, <i>Fredericton, New Brunswick</i> .....	1
New England Cotton Manufacturers' Association, <i>Boston, Mass.</i> .....	2
New Hampshire College, Agricultural Experiment Station, <i>Durham, N. H.</i> .....	15
New Hampshire State Library, <i>Concord, N. H.</i> .....	1
New Haven Free Public Library, <i>New Haven, Conn.</i> .....	2
New Jersey Agricultural College, Experiment Station, <i>New Brunswick, N. J.</i> .....	8
New Jersey, Bureau of Statistics of Labor and Industries, <i>Trenton, N. J.</i> .....	1
New Jersey, Commissioner of Banking and Insurance, <i>Trenton, N. J.</i> .....	3
New Jersey, Comptroller of the Treasury, <i>Trenton, N. J.</i> .....	1
New Jersey Geological Survey, <i>Trenton, N. J.</i> .....	2
New Jersey State Board of Agriculture, <i>Trenton, N. J.</i> .....	4
New Jersey State Board of Assessors, <i>Trenton, N. J.</i> .....	3
New Jersey State Board of Health, <i>Trenton, N. J.</i> .....	1
New Jersey State Library, <i>Trenton, N. J.</i> .....	3
New Mexico, Agricultural Experiment Station, <i>Mesilla Park, N. M.</i> .....	4
New Orleans, Sewerage and Water Board, <i>New Orleans, La.</i> .....	2
New York Academy of Medicine, <i>New York, N. Y.</i> .....	1
New York, Agricultural Experiment Station, <i>Geneva, N. Y.</i> .....	5
New York Association for Improving the Condition of the Poor, <i>New York, N. Y.</i> .....	1

## LIST OF DONORS.

43

Volumes or  
Pamphlets.

New York Botanical Garden, <i>New York, N. Y.</i> .....	1
New York, Bureau of Labor Statistics, <i>Albany, N. Y.</i> .....	4
New York Charity Organization Society, <i>New York, N. Y.</i> .....	1
New York Civil Service Reform Association, <i>New York, N. Y.</i> .....	1
New York, Department of Education, <i>New York, N. Y.</i> .....	3
New York, Department of Labor, <i>Albany, N. Y.</i> .....	2
New York, Department of Parks, <i>New York, N. Y.</i> .....	1
New York Electrical Society, <i>New York, N. Y.</i> .....	1
New York, Governor, <i>Albany, N. Y.</i> .....	3
New York Kindergarten Association, <i>New York, N. Y.</i> .....	1
New York Mercantile Library, <i>New York, N. Y.</i> .....	1
New York, New Haven & Hartford Railroad Co., <i>New Haven, Conn.</i> .....	1
New York Public Library, <i>New York, N. Y.</i> .....	2
New York Society for the Prevention of Cruelty to Children, <i>New York, N. Y.</i> .....	1
New York Society Library, <i>New York, N. Y.</i> .....	1
New York State Department of Health, <i>Albany, N. Y.</i> .....	4
New York State Education Department, <i>Albany, N. Y.</i> .....	1
New York State Hospital for the Care of Crippled and Deformed Children, <i>Tarrytown, N. Y.</i> .....	3
New York State Library, <i>Albany, N. Y.</i> .....	86
New York State University, <i>Albany, N. Y.</i> .....	2
New York, Superintendent of Fire Control, <i>New York, N. Y.</i> .....	1
New York Tenement House Department, <i>New York, N. Y.</i> .....	2
New York University, <i>New York, N. Y.</i> .....	2
New York University Club, <i>New York, N. Y.</i> .....	1
Newark Free Public Library, <i>Newark, N. J.</i> .....	2
Newberry Library, <i>Chicago, Ill.</i> .....	1
Newburgh, Board of Education, <i>Newburgh, N. Y.</i> .....	1
Newlands, Hon. Francis G., <i>Washington, D. C.</i> .....	2
Niagara Falls Public Library, <i>Niagara Falls, N. Y.</i> .....	2
Nielson, James G., <i>St. Paul, Minn.</i> .....	1
Nijhoff, Martinus, <i>The Hague, Netherlands</i> .....	1
Nijhoff, Wouter, <i>The Hague, Netherlands</i> .....	1
Nimmo, Joseph, Jr. <i>Washington, D. C.</i> .....	9
North Adams Public Library, <i>North Adams, Mass.</i> .....	1
North Carolina, Board of Agriculture, <i>Raleigh, N. C.</i> .....	5
North Carolina, Board of Health, <i>Raleigh, N. C.</i> .....	5
North Dakota, Agricultural Experiment Station, <i>Agricultural College, N. D.</i> .....	5
North Pacific Trading Co., <i>Chicago, Ill.</i> .....	3
Northern Illinois State Normal School, <i>De Kalb, Ill.</i> .....	1
Northwest Railway Club, <i>St. Paul, Minn.</i> .....	1
Northwestern Military Academy, <i>Highland Park, Ill.</i> .....	2
Northwestern University, <i>Evanston, Ill.</i> .....	6
Norvell-Shapleigh Hardware Co., <i>St. Louis, Mo.</i> .....	1
Nova Scotia, Commissioner of Public Works and Mines, <i>Halifax, N. S.</i> .....	3
Nova Scotia, Superintendent of Education, <i>Halifax, N. S.</i> .....	35

## LIST OF DONORS.

	Volumes or Pamphlets.
Oberlin College Library, <i>Oberlin, O.</i> -----	4
Observatoire de Paris, <i>Paris, France</i> -----	1
Observatoire Météorologique de l'Université, <i>Upsala, Sweden</i> -----	1
Observatorio Astronomico Nacional de Tacubaya, <i>Tacubaya, Mexico</i> -----	2
Ocklawaha Nurseries, <i>Tangerine, Fla.</i> -----	1
Öffentliche Bibliothek und Lesehalle, <i>Berlin, Germany</i> -----	1
Ohashi Public Library, <i>Tokyo, Japan</i> -----	1
Ohio, Bureau of Labor Statistics, <i>Columbus, O.</i> -----	1
Ohio Geological Survey, <i>Columbus, O.</i> -----	4
Ohio State Board of Agriculture, <i>Columbus, O.</i> -----	1
Ohio State Board of Health, <i>Columbus, O.</i> -----	2
Ohio State Library, <i>Columbus, O.</i> -----	1
Ohio State Library Commissioners, <i>Columbus, O.</i> -----	2
Ohio State University, <i>Columbus, O.</i> -----	2
Oldenburg Öffentliche Bibliothek, <i>Oldenburg, Germany</i> -----	1
Olmstead, Dwight H., <i>Estate of, New York, N. Y.</i> -----	1
Olvera, J. V., <i>Chicago, Ill.</i> -----	1
Omaha Public Library, <i>Omaha, Neb.</i> -----	2
Onahan, William J., <i>Chicago, Ill.</i> -----	1
O'Neill, Annie L., <i>Chicago, Ill.</i> -----	10
Ontario, Department of Agriculture, <i>Ontario, Can.</i> -----	23
Open Court Publishing Co., <i>Chicago, Ill.</i> -----	1
Oregon State Conference of Charities and Correction, <i>Portland, Ore.</i> -----	2
Orthodox Jewish Home for the Aged, <i>Chicago, Ill.</i> -----	1
Oshkosh Public Library, <i>Oshkosh, Wis.</i> -----	1
Ottumwa Public Library, <i>Ottumwa, Ia.</i> -----	1
Palmer, William K., <i>New Rochelle, N. Y.</i> -----	1
Paris, Chamber of Commerce, <i>Paris, France</i> -----	1
Parker, C. M., <i>Taylorville, Ill.</i> -----	3
Parrish, Samuel L., <i>Southampton, N. Y.</i> -----	1
Parsons, Eugene, <i>Chicago, Ill.</i> -----	1
Passaic Free Public Library, <i>Passaic, N. J.</i> -----	1
Pattison, W. M., <i>Cleveland, O.</i> -----	11
Pawtucket Public Library, <i>Pawtucket, R. I.</i> -----	1
Payne, C. E., <i>Fargo, N. D.</i> -----	4
Peabody Coal Co., <i>Chicago, Ill.</i> -----	1
Peabody Institute, <i>Baltimore, Md.</i> -----	1
Pedagogical Library, <i>Philadelphia, Pa.</i> -----	1
Pennsylvania, Board of Charities, <i>Philadelphia, Pa.</i> -----	1
Pennsylvania, Department of Agriculture, <i>Harrisburg, Pa.</i> -----	15
Pennsylvania, Department of Public Instruction, <i>Philadelphia, Pa.</i> -----	2
Pennsylvania State Board of Health, <i>Harrisburg, Pa.</i> -----	1
Pennsylvania State College Library, <i>State College, Pa.</i> -----	1
Pennsylvania State Library, <i>Harrisburg, Pa.</i> -----	42
People's Paper, <i>Santa Barbara, Cal.</i> -----	1
Philadelphia, Board of Directors of City Trusts, <i>Philadelphia, Pa.</i> -----	1
Philadelphia Car Service Association, <i>Philadelphia, Pa.</i> -----	1
Philadelphia Commercial Museum, <i>Philadelphia, Pa.</i> -----	1

## LIST OF DONORS.

45

Volumes or  
Pamphlets.

Philadelphia, Mayor, <i>Philadelphia, Pa.</i> .....	7
Philadelphia, Electrical Bureau, <i>Philadelphia, Pa.</i> .....	1
Philadelphia Free Library, <i>Philadelphia, Pa.</i> .....	1
Philadelphia National Bank, <i>Philadelphia, Pa.</i> .....	1
Philippine Civil Service Board, <i>Manila, P. I.</i> .....	1
Philippine Islands, Department of the Interior, <i>Manila, P. I.</i> .....	3
Philippine Islands, Weather Bureau, <i>Manila, P. I.</i> .....	20
Phillips Exeter Academy, <i>Exeter, N. H.</i> .....	8
Philosophical Society of Washington, <i>Washington, D. C.</i> .....	1
Picher Lead Co., <i>Chicago, Ill.</i> .....	2
Pond, Allen B., <i>Chicago, Ill.</i> .....	5
Portland Board of Trade, <i>Portland, Ore.</i> .....	1
Pratt Institute Free Library, <i>Brooklyn, N. Y.</i> .....	2
Prince Edward Island, Legislative Library, <i>Charlottetown, P. E. I.</i> .....	1
Princeton University, <i>Princeton, N. J.</i> .....	3
Providence Athenæum, <i>Providence, R. I.</i> .....	1
Providence Public Library, <i>Providence, R. I.</i> .....	3
Public Library, Museum, and National Gallery of Victoria, <i>Melbourne, Australia</i> .....	11
Public Library of New South Wales, <i>Sydney, Australia</i> .....	4
Public Rumiantzoff Museum, <i>Moscow, Russia</i> .....	1
Public School Library, <i>Columbus, O.</i> .....	1
Pullman Automatic Ventilator Co., <i>Chicago, Ill.</i> .....	1
Purdue Society of Civil Engineers, <i>Lafayette, Ind.</i> .....	2
Purdue University, <i>Lafayette, Ind.</i> .....	2
Quaritch, Bernard, <i>London, Eng.</i> .....	8
Quincy Free Public Library, <i>Quincy, Ill.</i> .....	2
Radcliffe College Library, <i>Cambridge, Mass.</i> .....	1
Rand, Prof. Benjamin, <i>Cambridge, Mass.</i> .....	1
Ray Society, <i>London, Eng.</i> .....	3
Real Observatorio Astronomico de Lisboa, <i>Lisbon, Portugal</i> .....	2
Reform Club, <i>New York, N. Y.</i> .....	38
Republican National Committee, <i>Chicago, Ill.</i> .....	20
Revyen, <i>Chicago, Ill.</i> .....	1
Reynolds Library, <i>Rochester, N. Y.</i> .....	1
Rhode Island State Board of Health, <i>Providence, R. I.</i> .....	1
Rich, H. S. & Co., <i>Chicago, Ill.</i> .....	2
Riley, Joseph, <i>St. Marys Falls Canal, Mich.</i> .....	1
Ripon College, <i>Ripon, Wis.</i> .....	1
Robotnik, <i>Chicago, Ill.</i> .....	1
Rochester Academy of Science, <i>Rochester, N. Y.</i> .....	1
Rollins College, <i>Winter Park, Fla.</i> .....	1
Rose, Hon. James A., <i>Springfield, Ill.</i> .....	1
Rose Polytechnic Institute, <i>Terre Haute, Ind.</i> .....	1
Rowe, O. M. E., <i>Boston, Mass.</i> .....	2
Royal Academy of Science, <i>Amsterdam, Netherlands</i> .....	8
Royal Astronomical Society of Canada, <i>Toronto, Can.</i> .....	1
Royal Society of Canada, <i>Ottawa, Can.</i> .....	2
Rubin, Dr. George, <i>Chicago, Ill.</i> .....	2
St. Bride Foundation Institute, <i>London, Eng.</i> .....	4

## LIST OF DONORS.

	Volumes or Pamphlets.
St. Ignatius College, <i>Chicago, Ill.</i> .....	1
St. John Board of Trade, <i>St. John, New Brunswick</i> .....	1
St. John's College, <i>Fordham, N. Y.</i> .....	1
St. Joseph Free Public Library, <i>St. Joseph, Mo.</i> .....	4
St. Louis Expanded Metal Fireproofing Co., <i>St. Louis, Mo.</i> .....	1
St. Louis Mercantile Library Association, <i>St. Louis, Mo.</i> .....	1
St. Louis Public Library, <i>St. Louis, Mo.</i> .....	5
St. Louis University, <i>St. Louis, Mo.</i> .....	2
St. Paul Foundry Co., <i>St. Paul, Minn.</i> .....	1
St. Paul Public Library, <i>St. Paul, Minn.</i> .....	1
St. Petersburg Imperial University, <i>St. Petersburg, Russia</i> .....	20
Salem Public Library, <i>Salem, Mass.</i> .....	5
San Francisco Free Public Library, <i>San Francisco, Cal.</i> .....	3
San Francisco Mechanics Institute, <i>San Francisco, Cal.</i> .....	4
Sanborn, Nathan P., <i>Marblehead, Mass.</i> .....	1
Santiago de Chile, Casa de Orates, <i>Santiago de Chile, Chile</i> .....	9
Sargent, E. H., & Co., <i>Chicago, Ill.</i> .....	1
Schmidt Orlando P., <i>Carrington, Ky.</i> .....	2
Schuchardt, Dr. Theodor, <i>Görlitz, Prussia</i> .....	1
Schutte & Koerting Co., <i>Philadelphia, Pa.</i> .....	1
Scranton Public Library, <i>Scranton, Pa.</i> .....	3
Service Géologique de Belgique, <i>Brussels, Belgium</i> .....	2
Shaw, Dr. Albert, <i>New York, N. Y.</i> .....	1
Shoe and Leather Reporter, <i>Chicago, Ill.</i> .....	1
Siebeck, Dr. Paul, <i>Tübingen, Germany</i> .....	1
Sillaway, P. M., <i>Lewistown, Mont.</i> .....	1
Simmons College, <i>Boston, Mass.</i> .....	3
Slafter, Rev. Edmund F., <i>Thetford, Vt.</i> .....	1
Smith, Mrs. A. E., <i>Chicago, Ill.</i> .....	35
Smith, J. C., <i>New Orleans, La.</i> .....	1
Smith, John D., <i>Baltimore, Md.</i> .....	26
Smith, Shea, & Co., <i>Chicago, Ill.</i> .....	1
Smithsonian Institution, <i>Washington, D. C.</i> .....	25
Snedaker, James A., <i>Denver, Colo.</i> .....	1
Social Thought, <i>Rich Hill, Mo.</i> .....	1
Socialistic Co-operative Publishing Co., <i>New York, N. Y.</i> .....	1
Social Labor Party, <i>New York, N. Y.</i> .....	1
Sociedad Cientifica "Antonio Alzate," <i>City of Mexico, Mexico</i> .....	1
Société Chimique de Paris, <i>Paris, France</i> .....	1
Société d'Économie Politique, <i>Paris, France</i> .....	1
Société des Sciences, des Arts et des Lettres du Hainaut, <i>Mons, Belgium</i> .....	1
Société d'Études Coloniales, <i>Brussels, Belgium</i> .....	1
Solar Physics Laboratory, <i>South Kensington, Eng.</i> .....	1
Somers, Fitler & Todd Co., <i>Pittsburgh, Pa.</i> .....	1
Somerville Public Library, <i>Somerville, Mass.</i> .....	1
Sootheran, Henry, & Co., <i>London, Eng.</i> .....	1
South Dakota State School of Mines, <i>Rapid City, S. D.</i> .....	1
South End Industrial School, <i>Roxbury, Mass.</i> .....	1
South Park Commissioners, <i>Chicago, Ill.</i> .....	1

## LIST OF DONORS.

47

Volumes or  
Pamphlets.

South Park Improvement Association, <i>Chicago, Ill.</i> .....	4
Southern and Southwestern Railway Club, <i>Atlanta, Ga.</i> .....	1
Southern Illinois Normal University, <i>Carbondale, Ill.</i> .....	2
Southern Pacific Co., <i>New York, N. Y.</i> .....	2
Southern Publishing Co., <i>Knoxville, Tenn.</i> .....	1
Southern Railway Co., <i>Chicago, Ill.</i> .....	3
Southern States Lumber Co., <i>Pensacola, Fla.</i> .....	6
Southworth, R. A., <i>Denver, Colo.</i> .....	1
Springfield City Library Association, <i>Springfield, Mass.</i> .....	1
Squibb, E. R., & Sons, <i>New York, N. Y.</i> .....	2
State Historical Society, <i>Madison, Wis.</i> .....	11
Stevens & Co., <i>Chicago, Ill.</i> .....	1
Stieglitz, Alfred, <i>New York, N. Y.</i> .....	1
Stirling's and Glasgow Public Library, <i>Glasgow, Scotland</i> .....	15
Stone, Hubert S., <i>St. Louis, Mo.</i> .....	1
Storrs Agricultural Experiment Station, <i>Storrs, Conn.</i> .....	7
Street Railway Association of the State of New York, <i>New York, N. Y.</i> .....	1
Stuttgart, Volksbibliothek, <i>Stuttgart, Germany</i> .....	1
Sutro, Theodore, <i>New York, N. Y.</i> .....	2
Swank, James M., <i>Philadelphia, Pa.</i> .....	1
Swedenborg Scientific Association, <i>Bryn Athyn, Pa.</i> .....	1
Sydney Observatory, <i>Sydney, Australia</i> .....	4
Syracuse Public Library, <i>Syracuse, N. Y.</i> .....	1
Syracuse University, <i>Syracuse, N. Y.</i> .....	1
System Co., <i>Chicago, Ill.</i> .....	2
Taunton, City Council, <i>Taunton, Mass.</i> .....	1
Teal, William, <i>Elgin, Ill.</i> .....	2
Technical Press of America, <i>Chicago, Ill.</i> .....	1
Technological Institute Emperor Nicholas I, <i>St. Petersburg, Russia</i> .....	1
Tennant & Ward, <i>New York, N. Y.</i> .....	1
Texas, Railroad Commission, <i>Austin, Tex.</i> .....	2
Thompson, T. O., <i>Chicago, Ill.</i> .....	1
Throop Polytechnic Institute, <i>Pasadena, Cal.</i> .....	2
Tiffany & Co., <i>New York, N. Y.</i> .....	2
Toiler Co., <i>Terre Haute, Ind.</i> .....	1
Toledo, City Clerk, <i>Toledo, O.</i> .....	6
Toronto Astronomical Society, <i>Toronto, Can.</i> .....	1
Toronto, City Engineer, <i>Toronto, Can.</i> .....	1
Toronto, City Treasurer, <i>Toronto, Can.</i> .....	2
Toronto Public Library, <i>Toronto, Can.</i> .....	1
Traeger, John E., <i>Chicago, Ill.</i> .....	4
Traveling Engineers' Association, <i>Oswego, N. Y.</i> .....	2
Trenton, City Council, <i>Trenton, N. J.</i> .....	3
Trenton Public Library, <i>Trenton, N. J.</i> .....	2
Tufts College, <i>Tufts College, Mass.</i> .....	3
Tuskegee Normal and Industrial Institute, <i>Experiment Station, Tuskegee, Ala.</i> .....	3
Tyomies Publishing Co., <i>Hancock, Mich.</i> .....	1
Underwood, Prof. William L., <i>Boston, Mass.</i> .....	1
Union League Club, <i>Chicago, Ill.</i> .....	1

## LIST OF DONORS.

	Volumes or Pamphlets.
Union Pacific Railroad Co., <i>New York, N. Y.</i> .....	1
Union University, <i>Schenectady, N. Y.</i> .....	1
United States Civil Service Commission, <i>Washington, D. C.</i> .....	1
United States Government, <i>Washington, D. C.</i> .....	*950
United States Hydrographic Office, <i>Chicago, Ill.</i> .....	4
United States Lake Survey Office, <i>Detroit, Mich.</i> .....	9
United States Military Academy, <i>West Point, N. Y.</i> .....	1
United States Naval Academy, <i>Annapolis, Md.</i> .....	3
United States Naval Observatory, <i>Washington, D. C.</i> .....	1
United Trades and Labor Council, <i>Cleveland, O.</i> .....	2
Universitäts-Bibliothek, <i>Basel, Switzerland</i> .....	1
Université d'Amsterdam, Bibliothèque, <i>Amsterdam, Netherlands</i> .....	1
Université Laval, <i>Quebec, Can.</i> .....	1
Universitets-Biblioteket i Upsala, <i>Upsala, Sweden</i> .....	1
University of Arizona, Agricultural Experiment Station, <i>Tucson, Ariz.</i> .....	1
University of Arkansas, <i>Fayetteville, Ark.</i> .....	1
University of California, <i>Berkeley, Cal.</i> .....	18
University of Chicago, <i>Chicago, Ill.</i> .....	56
University of Cincinnati, <i>Cincinnati, O.</i> .....	13
University of Colorado, <i>Boulder, Colo.</i> .....	8
University of Idaho, <i>Moscow, Id.</i> .....	10
University of Illinois, <i>Urbana, Ill.</i> .....	*318
University of Illinois, Agricultural Experiment Station, <i>Urbana, Ill.</i> .....	8
University of Illinois, College of Pharmacy, <i>Chicago, Ill.</i> .....	1
University of Iowa, <i>Iowa City, Ia.</i> .....	3
University of Kansas, <i>Lawrence, Kan.</i> .....	5
University of Michigan, <i>Ann Arbor, Mich.</i> .....	10
University of Michigan, Engineering Society, <i>Ann Arbor, Mich.</i> .....	1
University of Minnesota, <i>Minneapolis, Minn.</i> .....	5
University of Minnesota, Agricultural Experiment Station, <i>St. Anthony Park, Minn.</i> .....	5
University of Missouri, <i>Columbia, Mo.</i> .....	12
University of Montana, <i>Missoula, Mont.</i> .....	15
University of Nebraska, <i>Lincoln, Neb.</i> .....	11
University of North Carolina, <i>Chapel Hill, N. C.</i> .....	1
University of Oregon, <i>Eugene, Ore.</i> .....	4
University of Pennsylvania, <i>Philadelphia, Pa.</i> .....	19
University of Rochester, <i>Rochester, N. Y.</i> .....	1
University of St. Andrews, <i>St. Andrews, Scotland</i> .....	2
University of the South, <i>Sewanee, Tenn.</i> .....	3
University of Tennessee, <i>Knoxville, Tenn.</i> .....	5
University of Texas, <i>Austin, Tex.</i> .....	6
University of Toronto, <i>Toronto, Can.</i> .....	1
University of Vermont, <i>Burlington, Vt.</i> .....	1
University of Wisconsin, <i>Madison, Wis.</i> .....	12
University of Wisconsin, Washburn Observatory, <i>Madison, Wis.</i> .....	1
University of Wyoming, <i>Laramie, Wyo.</i> .....	8

\* Estimated.

## LIST OF DONORS.

49

Volumes or  
Pamphlets.

Unknown	2
Upson-Walton Co., <i>Cleveland, O.</i>	1
Utah University, <i>Salt Lake City, Utah</i>	2
Van Nostrand, D., Co., <i>New York, N. Y.</i>	1
Vandegrift, F. B., & Co., <i>New York, N. Y.</i>	1
Vanguard Press, <i>Green Bay, Wis.</i>	1
Vassar College, <i>Poughkeepsie, N. Y.</i>	1
Veeder, M. A., <i>Lyons, N. Y.</i>	2
Verein für Geschichte des Bodensees und seiner Umgebung, <i>Friedrichshafen, Germany</i>	1
Vermont, Board of Library Commissioners, <i>Montpelier, Vt.</i>	2
Vermont, Inspector of Finance, <i>Poultney, Vt.</i>	1
Vermont, Justice and Public Officer, <i>Rutland, Vt.</i>	1
Vermont State Geologist, <i>Burlington, Vt.</i>	3
Victoria, Department of Agriculture, <i>Melbourne, Australia</i>	4
Victoria Public Library of Western Australia, <i>Perth, Australia</i>	1
Videnskabs-Selskabet, <i>Christiania, Norway</i>	7
Virginia, Department of Agriculture, <i>Richmond, Va.</i>	1
Volta Bureau, <i>Washington, D. C.</i>	1
Wagner Free Institute of Science, <i>Philadelphia, Pa.</i>	1
Wake, C. S., <i>Chicago, Ill.</i>	1
Walker, Rev. Edwin S., <i>Springfield, Ill.</i>	1
Walker, J. C., <i>Chicago, Ill.</i>	20
Walter, Herbert E., <i>Chicago, Ill.</i>	1
Walsh, Fred., <i>Sydney, Australia</i>	2
Ware, Dr. Lyman, <i>Chicago, Ill.</i>	42
Ward, Henry A., <i>Chicago, Ill.</i>	1
Warner, George E., <i>Minneapolis, Minn.</i>	5
Warren County Library and Reading Room Association, <i>Monmouth, Ill.</i>	1
Warvelle, George W., <i>Chicago, Ill.</i>	2
Washburn College, <i>Topeka, Kan.</i>	1
Washington Academy of Sciences, <i>Washington, D. C.</i>	2
Washington and Jefferson College, <i>Washington, Pa.</i>	4
Washington University, <i>St. Louis, Mo.</i>	5
Watertown Free Public Library, <i>Watertown, Mass.</i>	1
Watt, Frederick A., <i>Chicago, Ill.</i>	1
Webster, Dr. George W., <i>Chicago, Ill.</i>	1
Weeks, Henry C., <i>Bayside, N. Y.</i>	3
Wesleyan Academy, <i>Wilbraham, Mass.</i>	1
West Chicago Park Commissioners, <i>Chicago, Ill.</i>	2
West Virginia, Bureau of Labor, <i>Wheeling, W. Va.</i>	1
Westborough Insane Hospital, <i>Westborough, Mass.</i>	2
Western Australia Geological Survey, <i>Perth, Australia</i>	11
Western Railway Club, <i>Chicago, Ill.</i>	1
Western Reserve University, <i>Cleveland, O.</i>	7
Western Society of Engineers, <i>Chicago, Ill.</i>	32
Westminster College, <i>Fulton, Mo.</i>	1
Westminster College Library, <i>Fulton, Mo.</i>	1
Westminster Public Library, <i>London, Eng.</i>	13

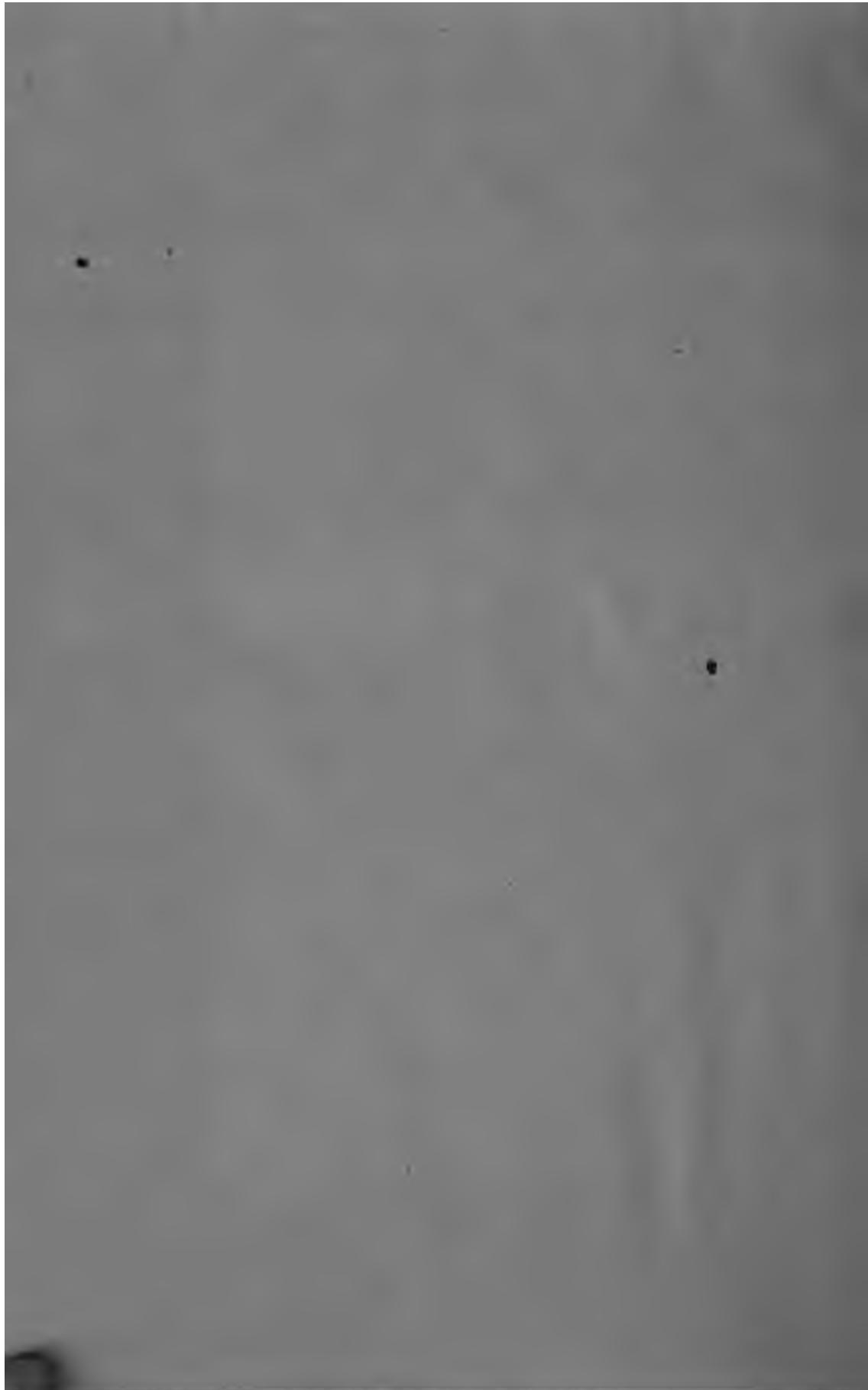
## LIST OF DONORS.

	Volumes or Pamphlets
Whitall Tatum Co., <i>Philadelphia, Pa.</i> .....	1
Wickson, Edward J., <i>Berkeley, Cal.</i> .....	1
Williams, Edward F., <i>Chicago, Ill.</i> .....	1
Williams College, <i>Williamstown, Mass.</i> .....	1
Wilmington Institute Free Library, <i>Wilmington, Del.</i> .....	3
Wilshire Publishing Co., <i>New York, N. Y.</i> .....	9
Wilson, Louis N., <i>Worcester, Mass.</i> .....	2
Winona Assembly, <i>Winona Lake, Ind.</i> .....	1
Wisconsin Academy of Science, Arts, and Letters, <i>Madison, Wis.</i> .....	1
Wisconsin Archaeological Society, <i>Milwaukee, Wis.</i> .....	1
Wisconsin, Bureau of Labor and Industrial Statistics, <i>Madison, Wis.</i> .....	1
Wisconsin Free Library Commission, <i>Madison, Wis.</i> .....	2
Wisconsin Geological & Natural History Survey, <i>Madison, Wis.</i> .....	3
Wood & Nathan Co., <i>New York, N. Y.</i> .....	4
Woodbury, C. J. H., <i>Boston, Mass.</i> .....	1
Woodhead, Howard, <i>Chicago, Ill.</i> .....	1
Worcester County Law Library, <i>Worcester, Mass.</i> .....	1
Worcester Free Public Library, <i>Worcester, Mass.</i> .....	1
Worcester Polytechnic Institute, <i>Worcester, Mass.</i> .....	1
Word & Works Publishing Co., <i>St. Louis, Mo.</i> .....	1
Wyoming, Agricultural Experiment Station, <i>Laramie, Wyo.</i> .....	6
Wyoming, Secretary of State, <i>Laramie, Wyo.</i> .....	1
Yale University, <i>New Haven, Conn.</i> .....	5
Yerkes Observatory, <i>Williams Bay, Wis.</i> .....	4
Young Men's Christian Association, <i>Chicago, Ill.</i> .....	7
Young Men's Christian Association, <i>New York, N. Y.</i> .....	2
Young Men's Christian Association, Railroad Department, <i>Stan- berry, Mo.</i> .....	1
Yurieff Imperial University, <i>Yurieff, Russia</i> .....	1
Zurich, Stadtbibliothek, <i>Zurich, Switzerland</i> .....	1
 Total .....	 5809











B 8418.3.20  
The John Crerar Library ... 1894-19  
Widener Library 003871649



3 2044 080 323 926

